CaDA®

CaDA MASTER

Designer Introduction

I've been building with construction bricks for most of my life, and I've always been fascinated with making them move. Getting models to move in interesting, complex or unique ways is a challenge that keeps me motivated and pushes my creativity. Not to mention, it usually results in a model that is really cool to look at. I'm also inspired by many old mechanical devices, as it truly amazes me what people have achieved with simple collections of gears and linkages. I hope you enjoy building my creations as much as I enjoyed designing them!

Designer: JK Brickworks

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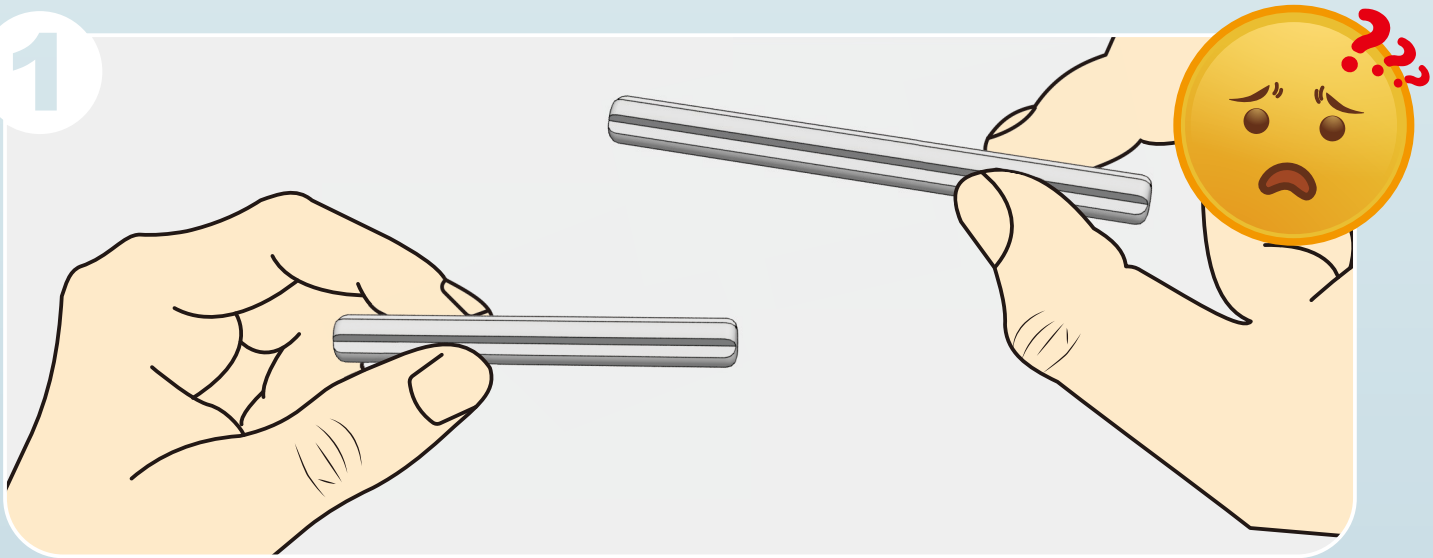

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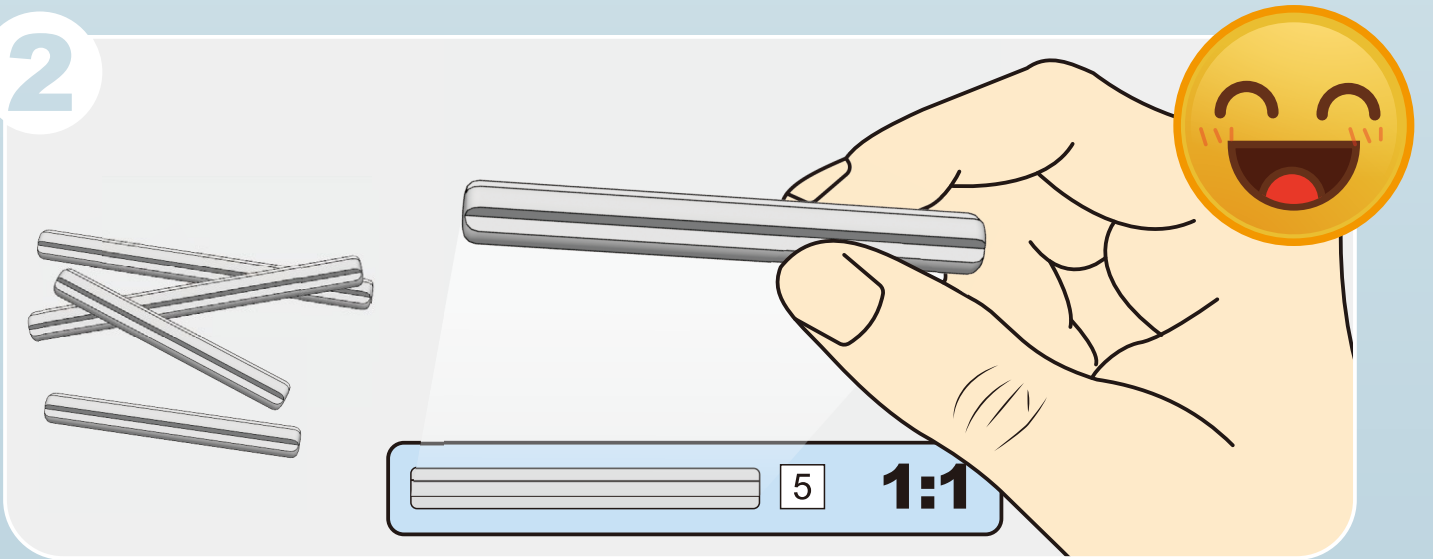

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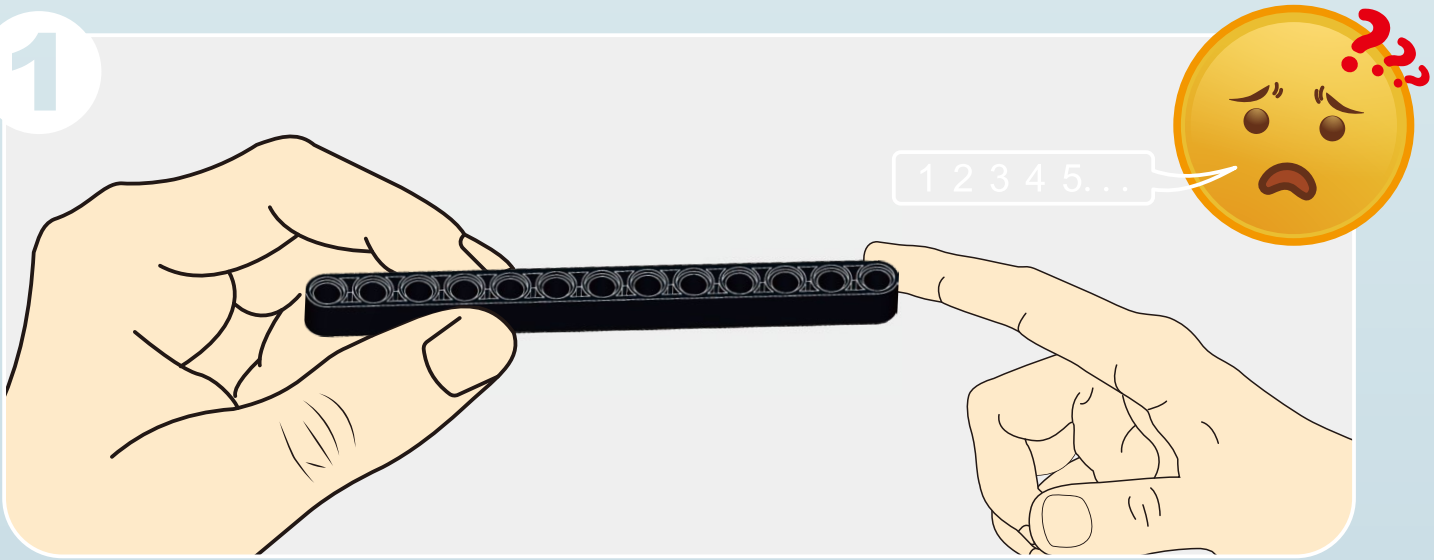

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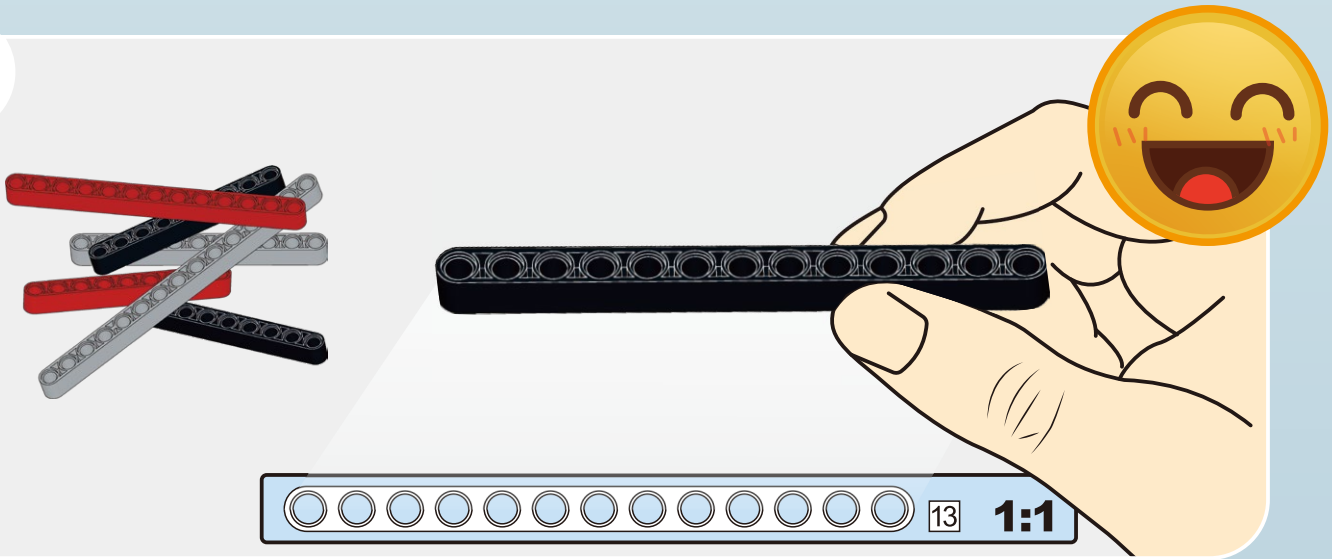
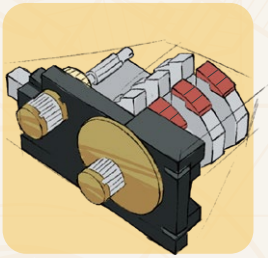
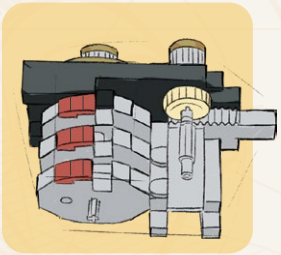
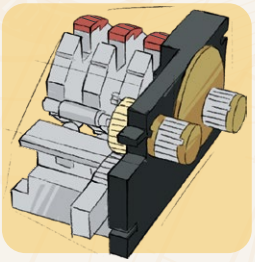
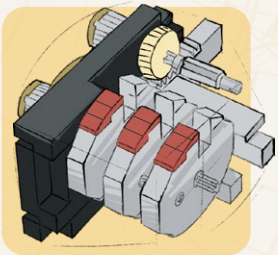


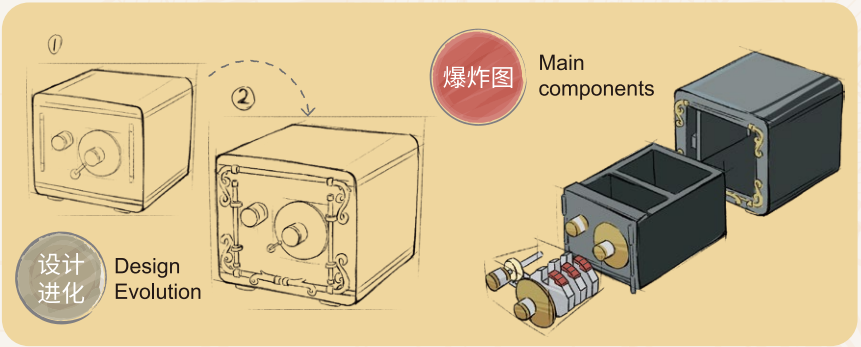
锁芯透视 Lock Cylinder

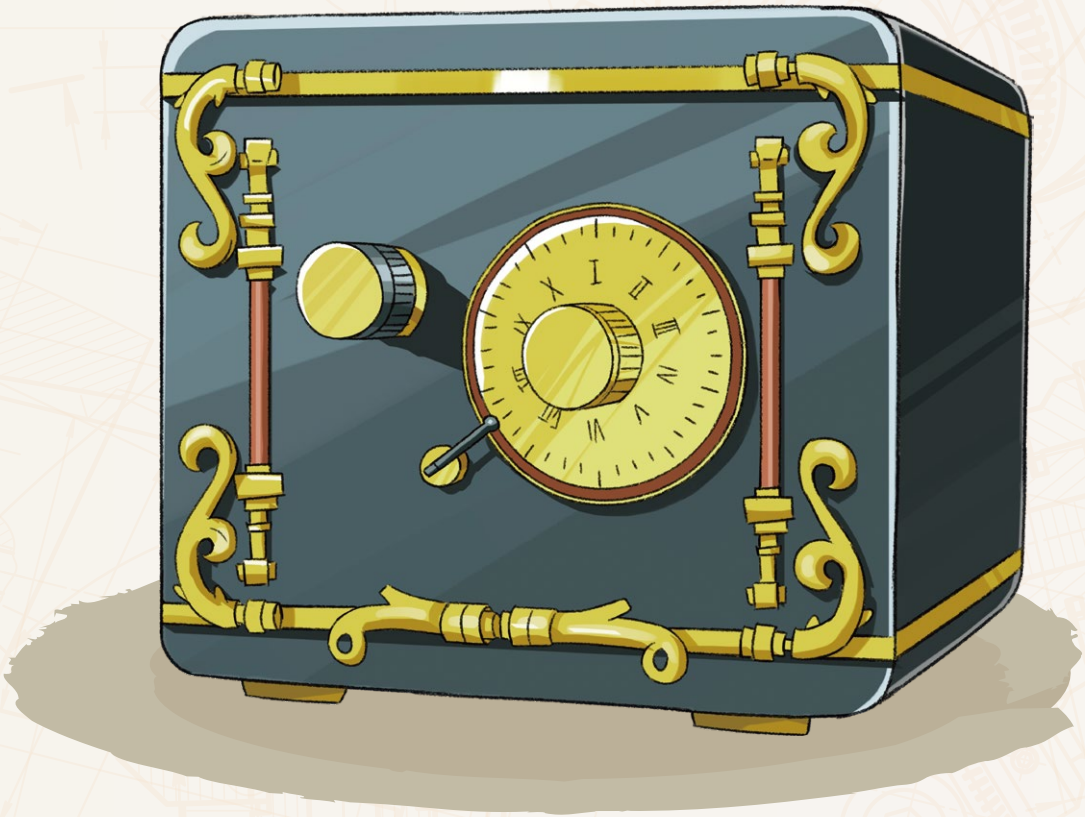




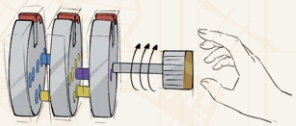






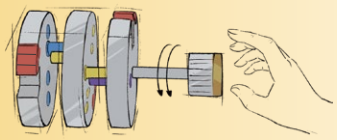


解锁步骤 How it works



第一步：记下当前密码盘上的数字，顺时针旋转这个数字三圈后，将密码盘对准第一位密码。

Step 1: Rotate the number dial three full revolutions clockwise, then continue clockwise to the first number of the combination.

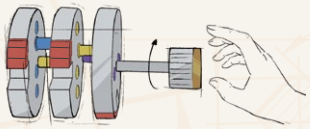


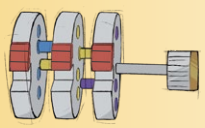
第二步：逆时针旋转一圈后，继续旋转，将密码盘对准第二位密码。

Step 2: Rotate the dial one full revolution counter-clockwise, then continue counter-clockwise to the second number of the combination.

第三步：再次顺时针旋转，对准第三位密码

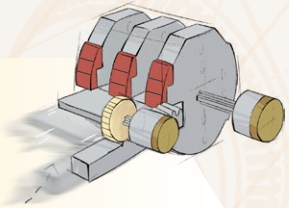
Step 3: Rotate the dial clockwise to the third number of the combination.



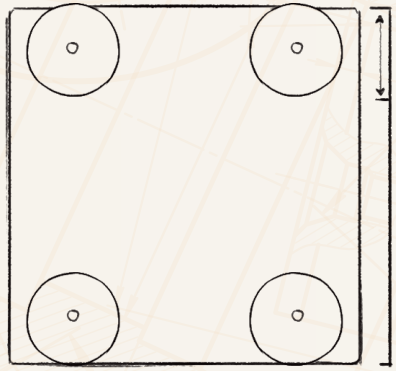


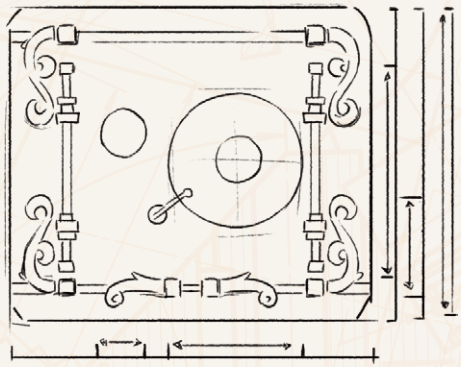
第四步：此时凹槽都对准了锁芯，转动锁舌旋钮，即可打开保险箱。

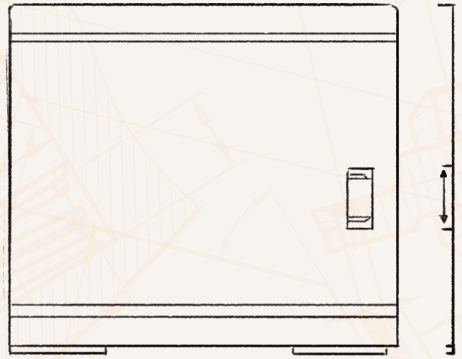
Step 4: At this time, the grooves are aligned with the lock cylinder. Turn the lock bolt knob to open the safe box.



三视图 Three Views







机械保险箱：机械保险箱是一种传统的保险箱类型，使用机械锁或组合锁来保护箱内物品的安全。机械保险箱使用简单，无需电源，安全可靠。

表盘：密码锁的表面是一个圆形的、可旋转的刻度盘。数字围绕圆周书写，将一系列数字按顺序正确输入表盘是打开保险箱的唯一方法。

机械保险箱中的三层转盘结构
指的是组合锁内部的一种机械结构，它通常由三个圆盘转盘组成，分别代表百位数、十位数和个位数，每个圆盘上都有0~9的数字。当使用正确的数字组合来旋转转盘时，三个转盘的凹槽（或凸起）对应对齐，就可以打开保险箱了。

锁舌：是指连接机械组合锁芯与保险门的一种构件，主要用于开启或关闭保险箱门。

在开启保险箱门时，机械组合锁芯通过正反锁或单向锁的机械结构控制锁舌的收放，从而实现开关门的操作。

锁舌转盘用于控制机械保险箱的锁舌，起到连接锁芯和门体的作用。

在开启保险箱门的时候，正确的组合密码会使得锁芯转动，进而带动锁舌转盘中的内部结构脱离，从而将锁舌快速抬起或者下降，完成开关门的操作。

Mechanical safes provide reliable security without the need for power or complicated technology. Their simple yet effective design offers an easy-to-use, solution to protect valuable items and documents.

Uncover secrets and secure your valuables with a combination lock! Its **rotating dial** allows you to input the correct sequence of numbers, granting access only to those who know them.

When the correct combination is entered, a mechanical safe unlocks with precision. Its intricate **three-dial locking system** houses hundreds of possibilities; each dial featuring numbers from 0 to 9 that must perfectly align in order for access inside to be granted.

The **lock bolt** is a vital component of the mechanical combination lock core, playing an integral role in opening and closing safes. By controlling its retraction or extension with either bi-directional or uni-directional locking mechanisms, one can unlock their door to access whatever valuable possessions are kept inside.

The **lock bolt dial** is the essential link between a safe's locking core and its door - regulating access to whatever lies within. When the correct combination is entered - the lock core rotates and its internal components are released, elevating or lowering the lock bolt to open or close your door.

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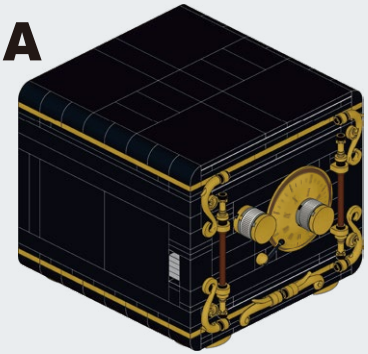

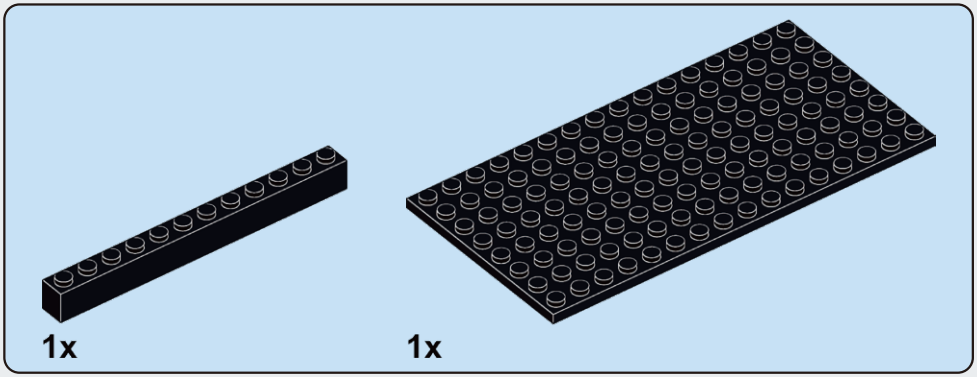

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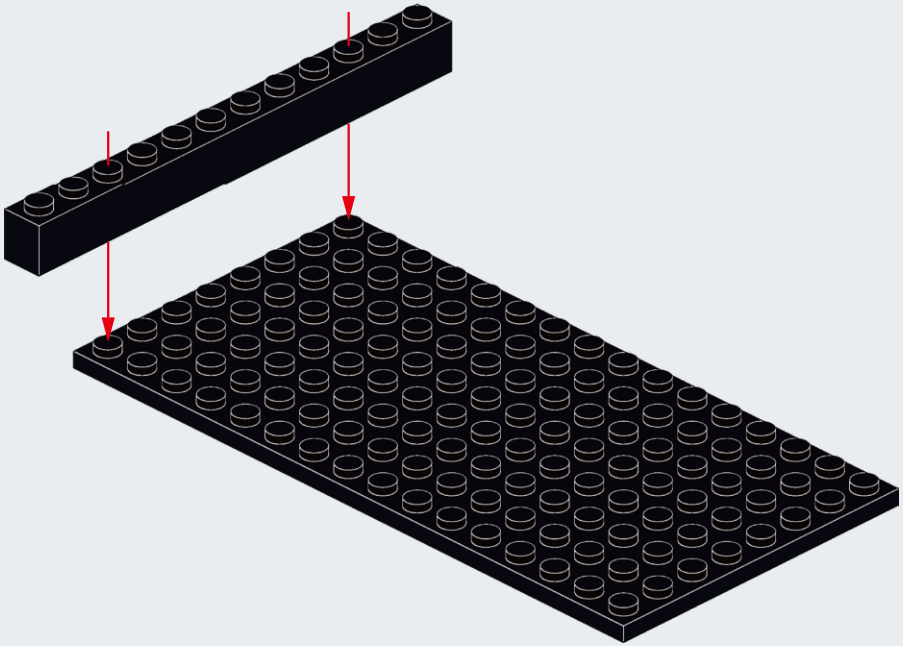

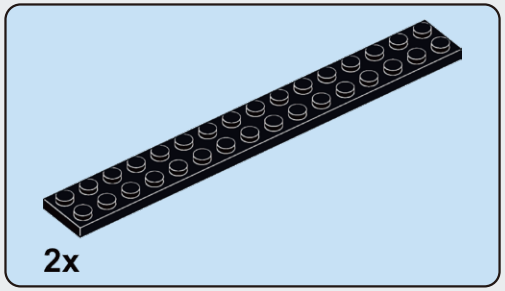

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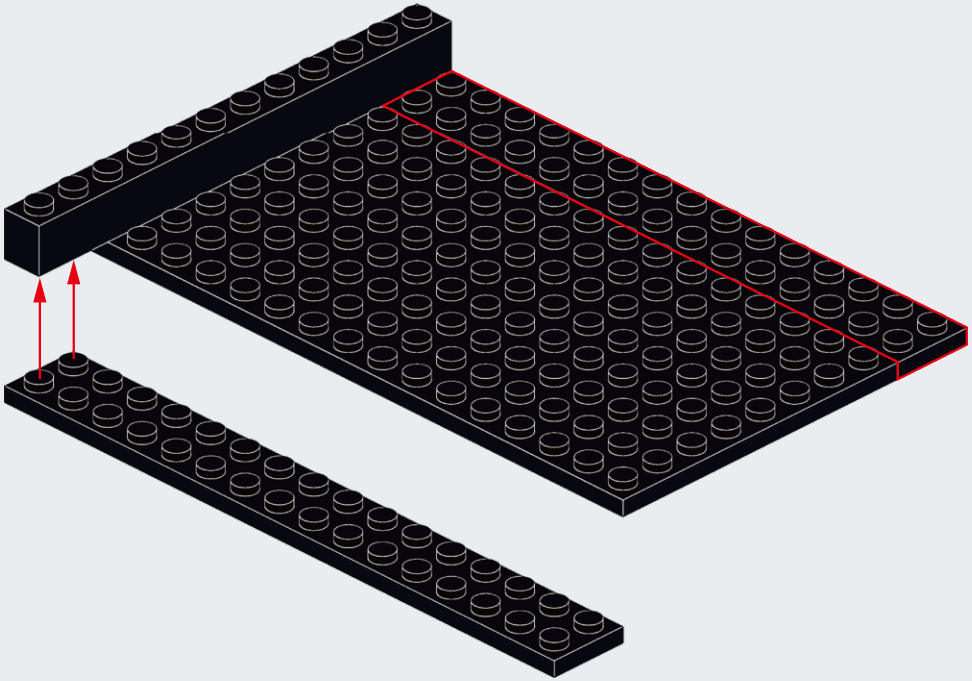

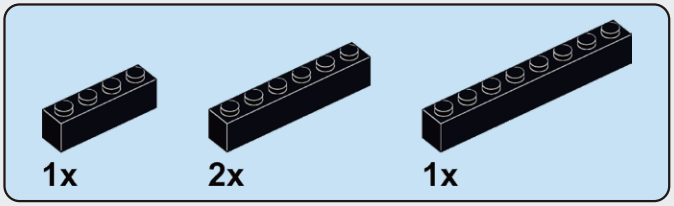

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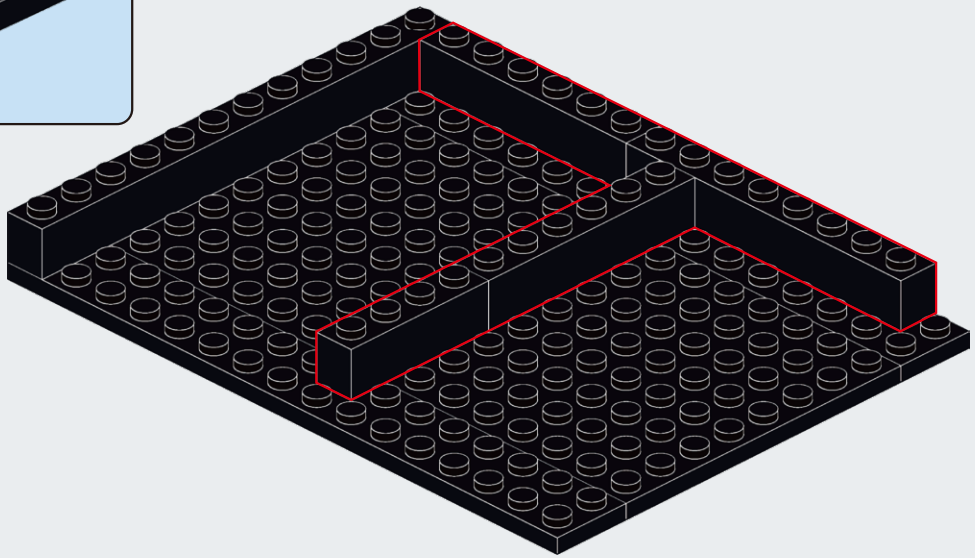

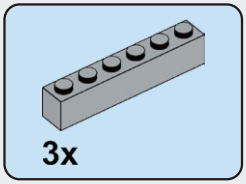

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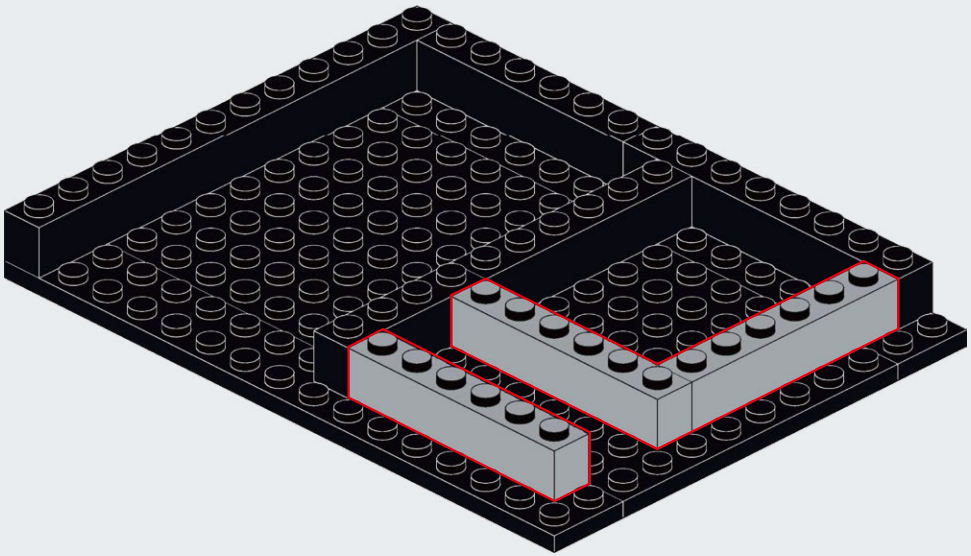

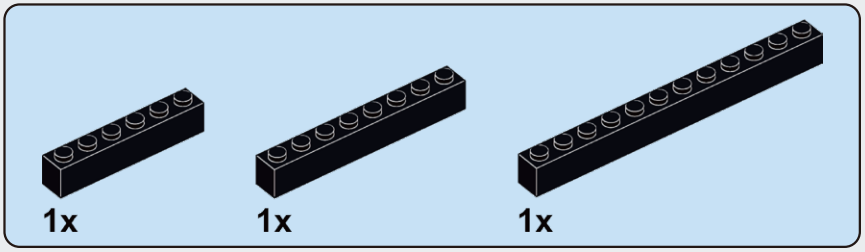

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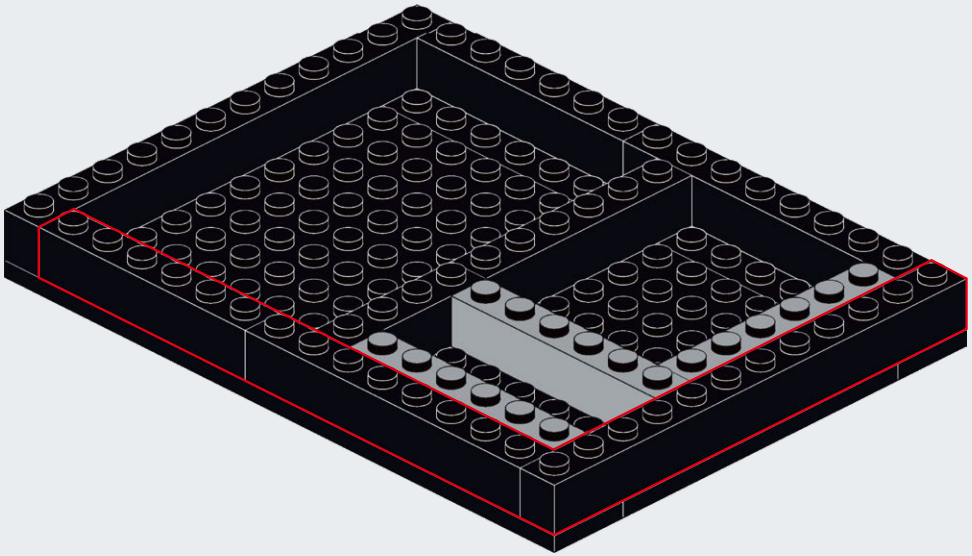

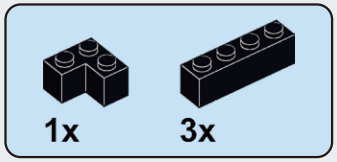

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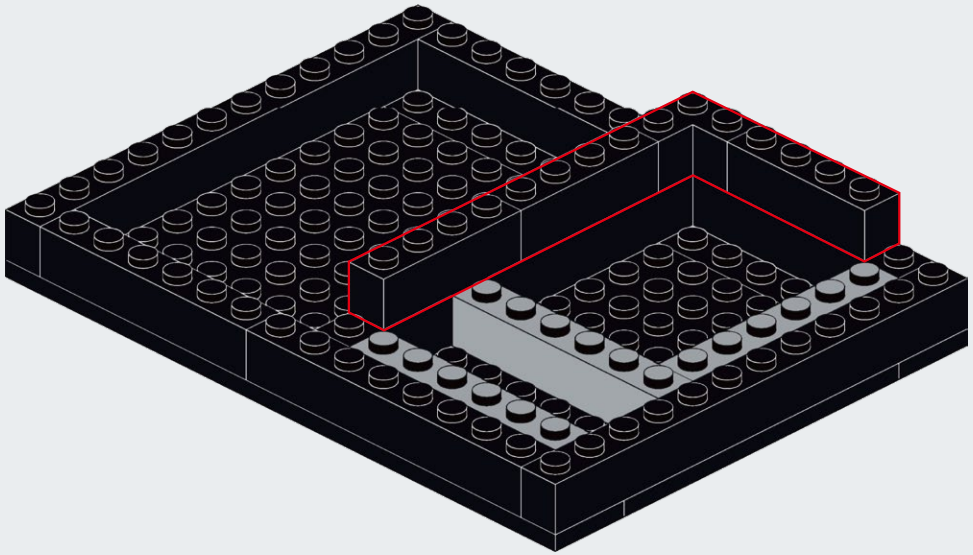

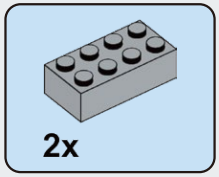

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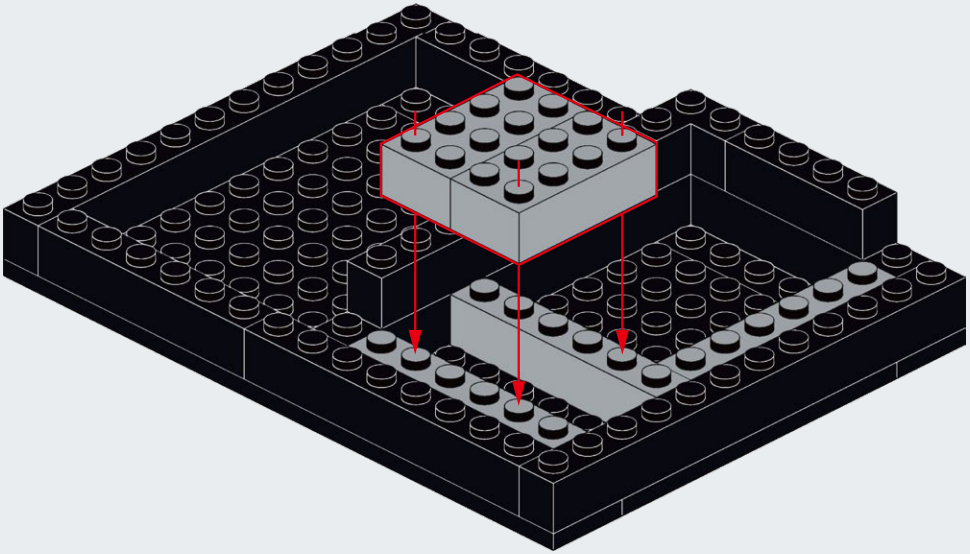

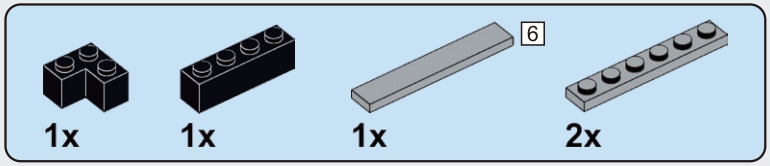

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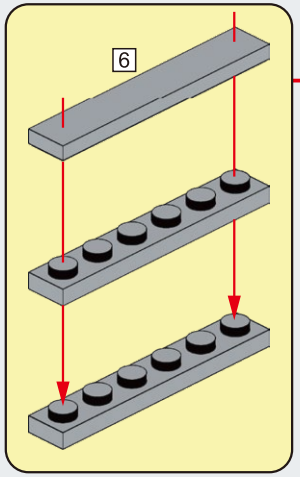

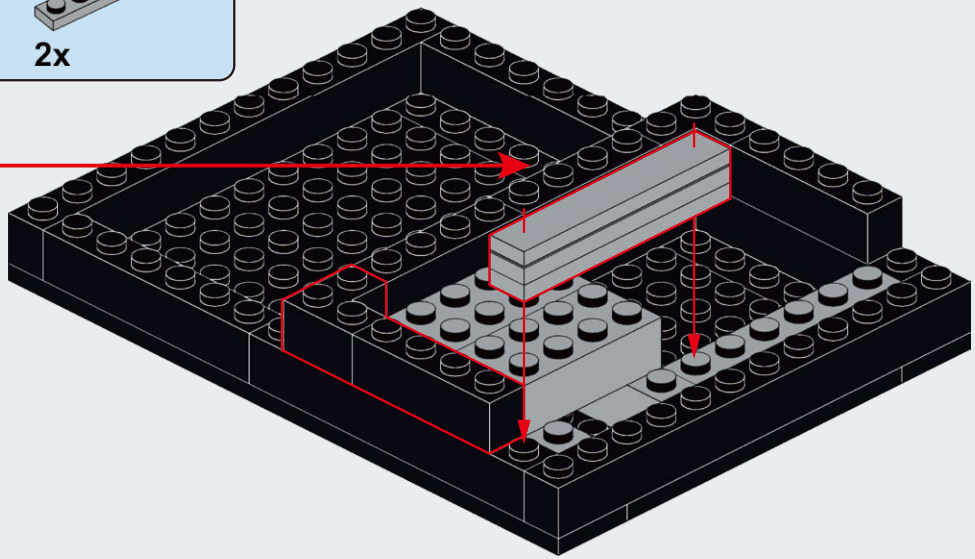

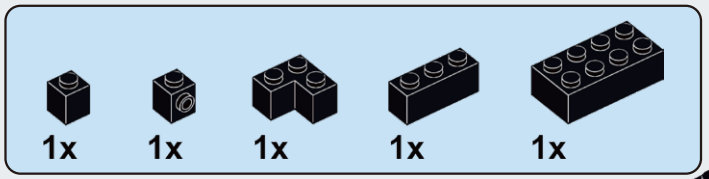

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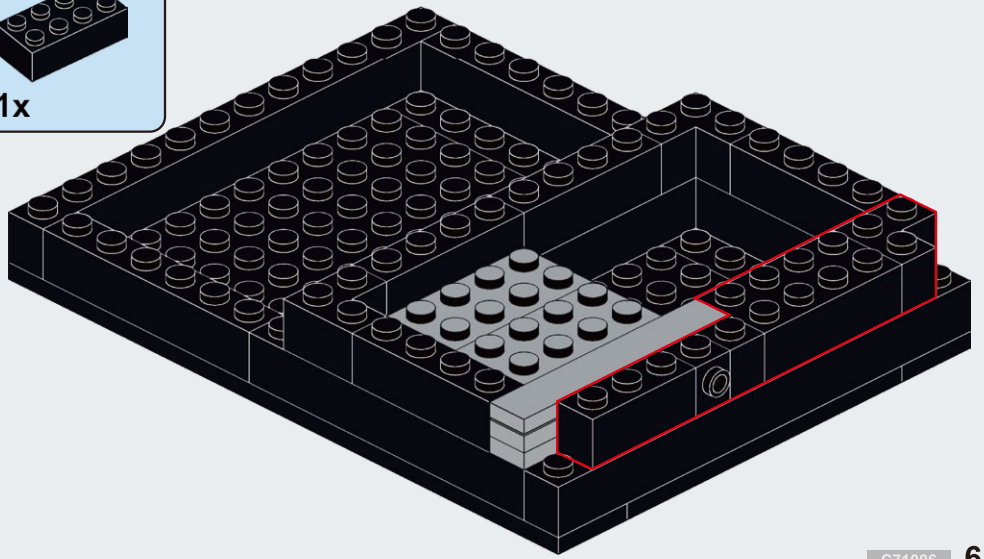

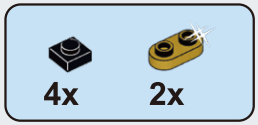

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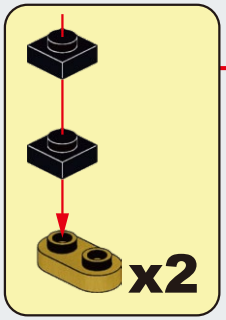

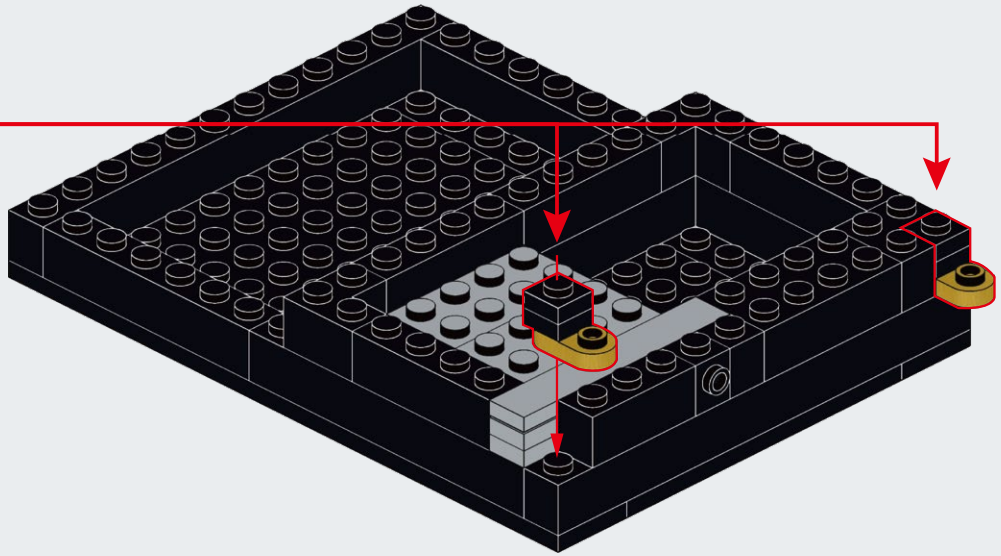

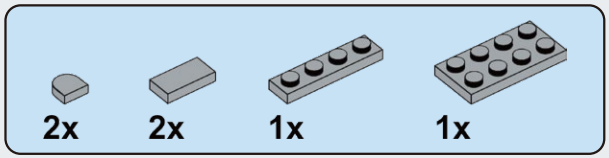

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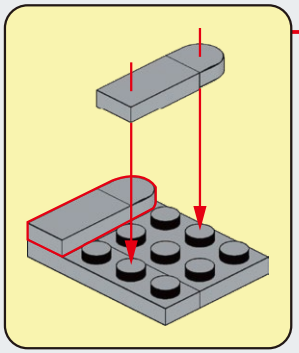

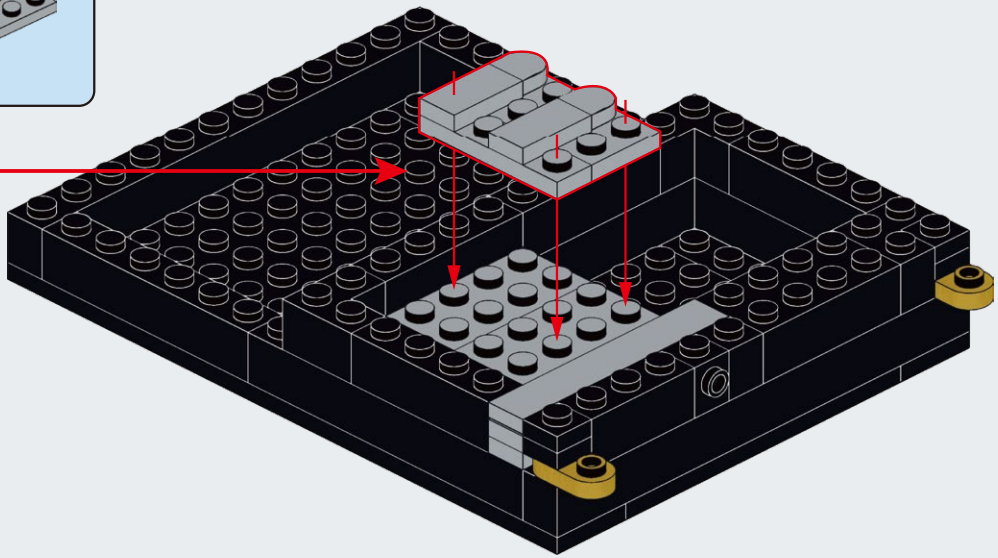

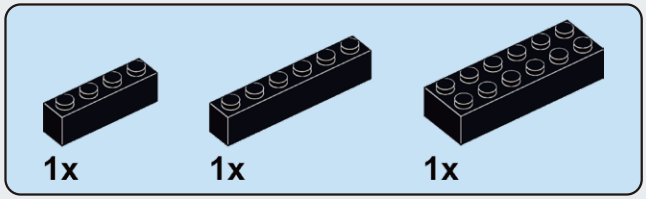

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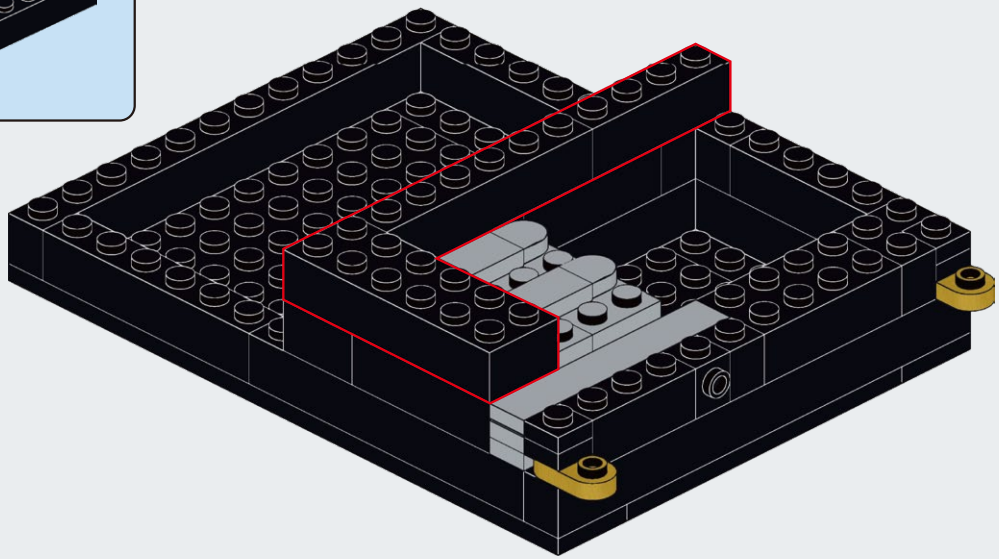

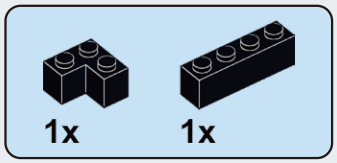

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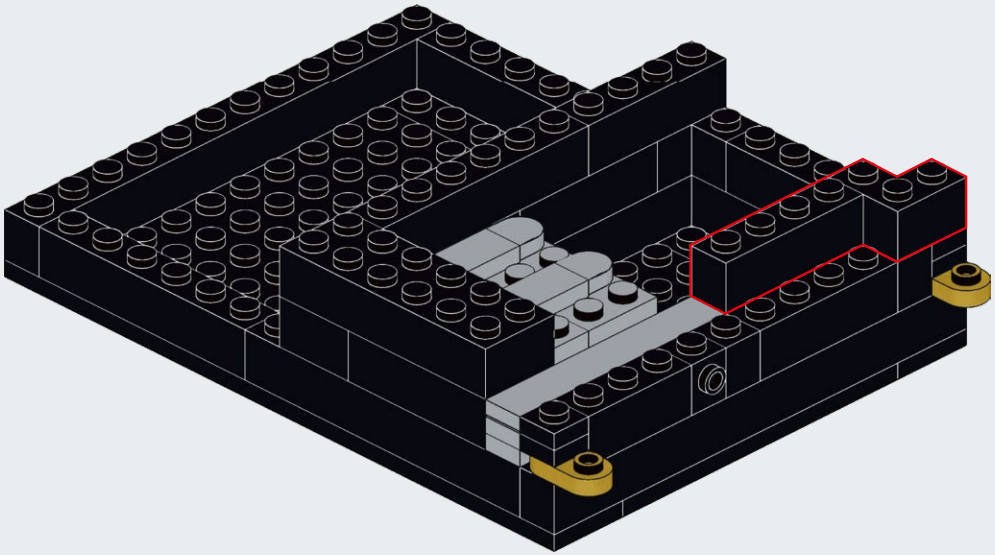

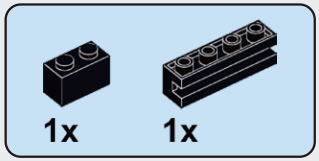

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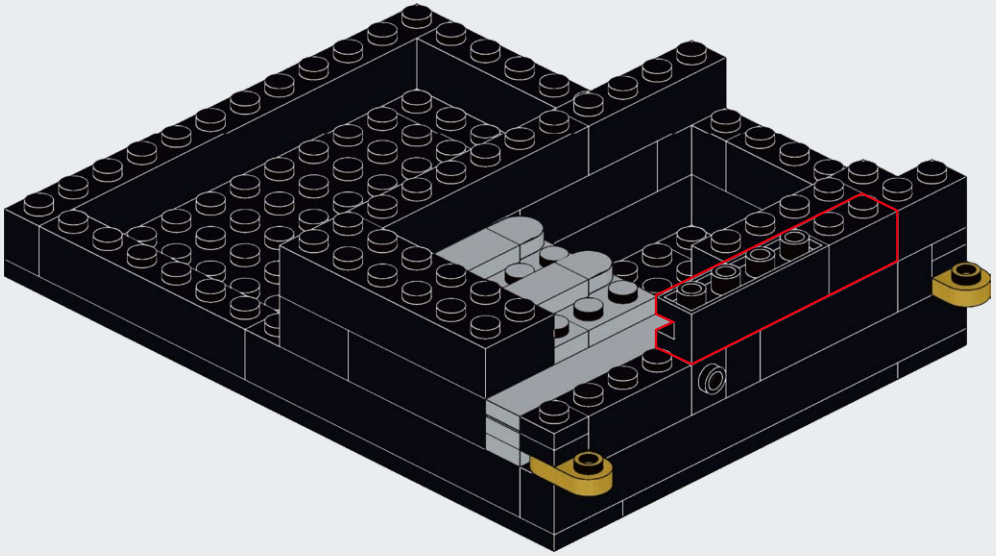

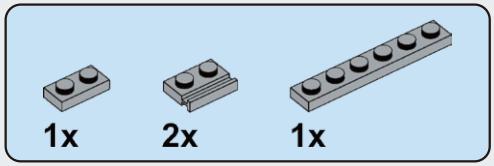

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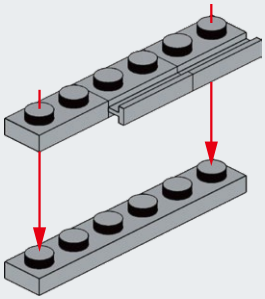

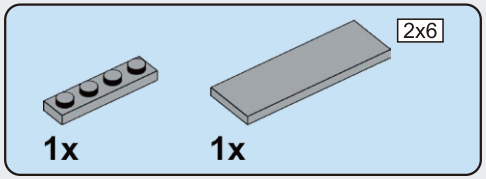

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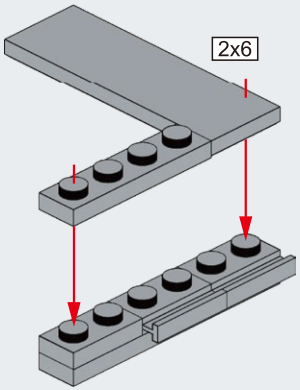

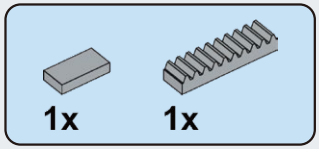

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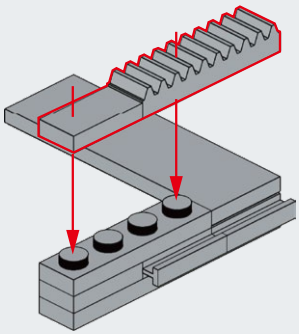

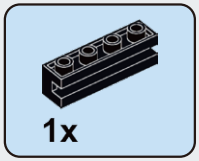

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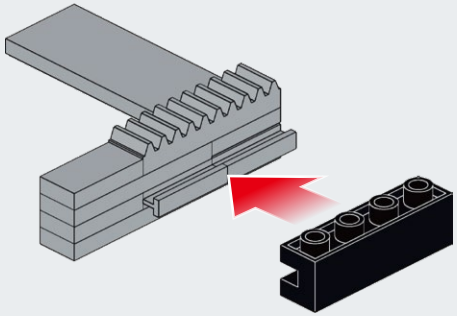

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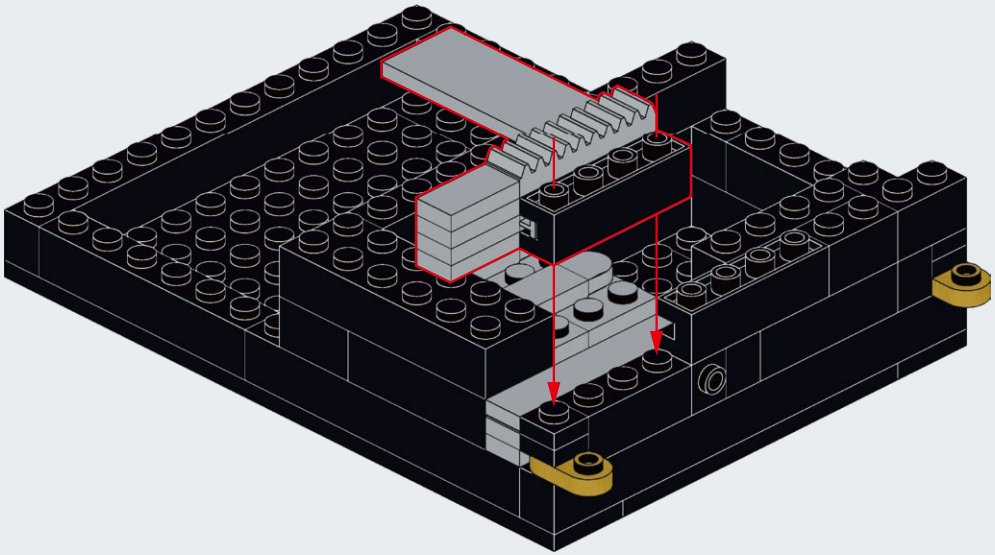

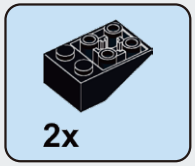

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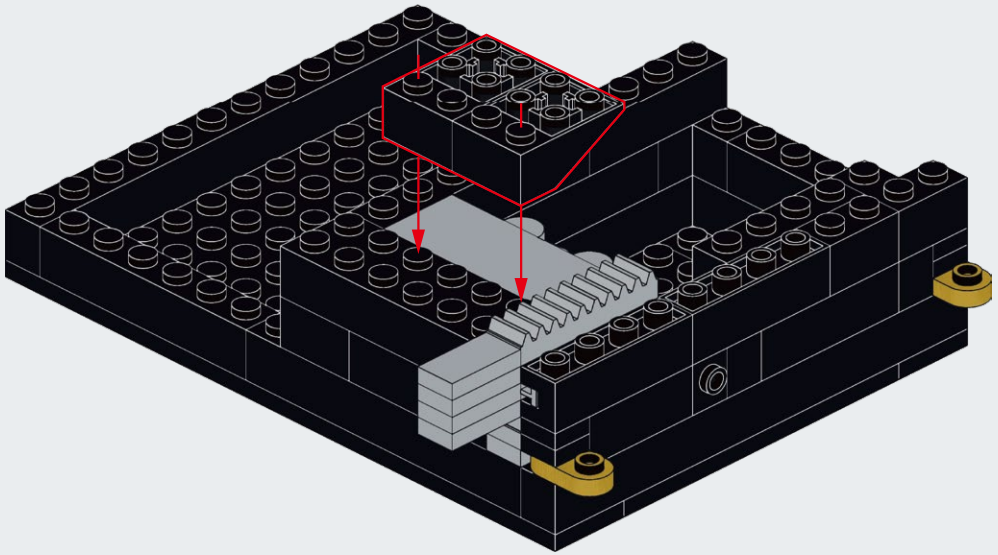

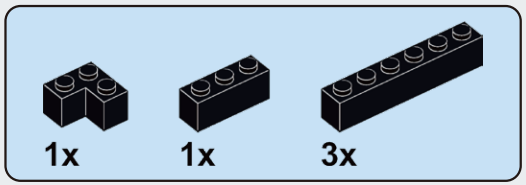

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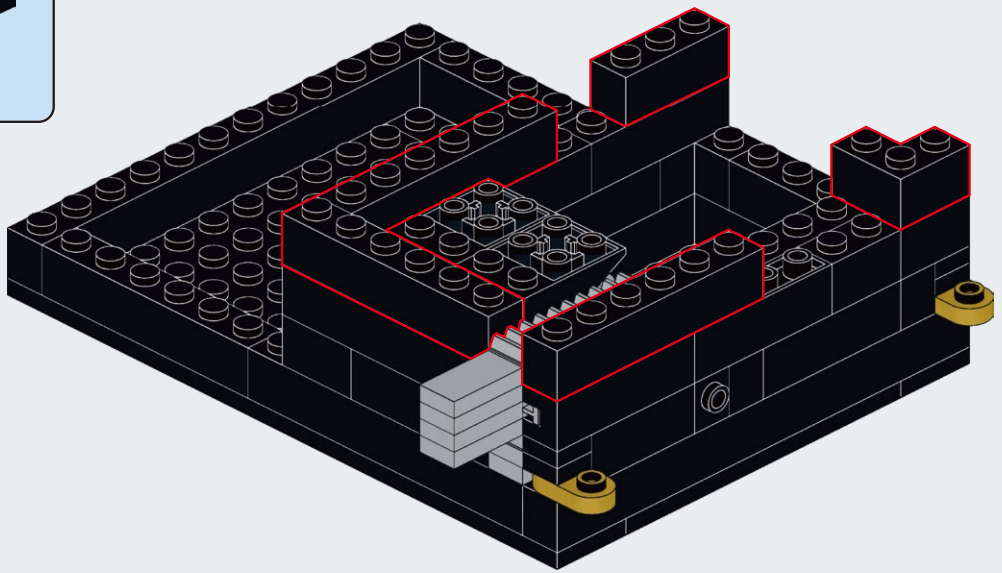

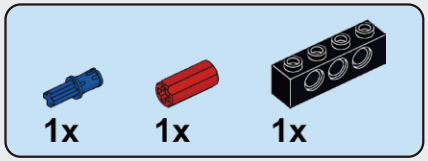

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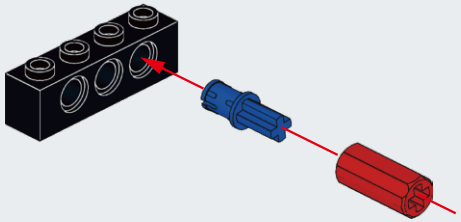

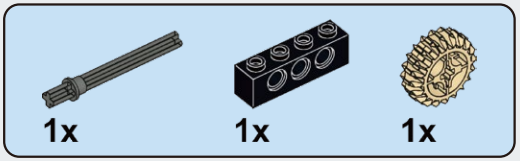

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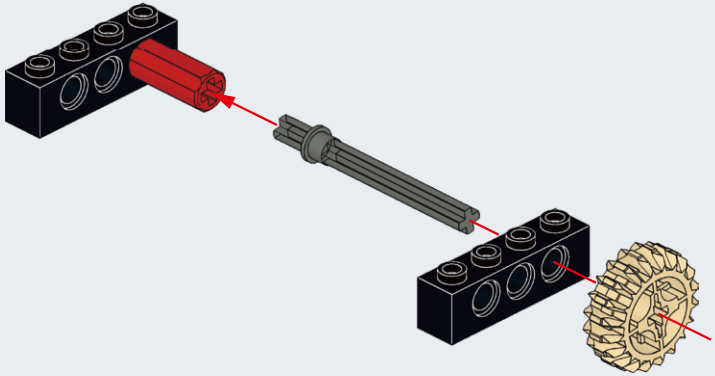

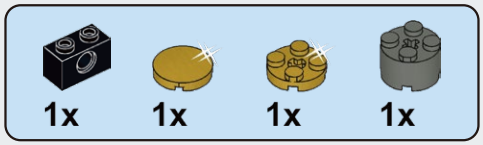

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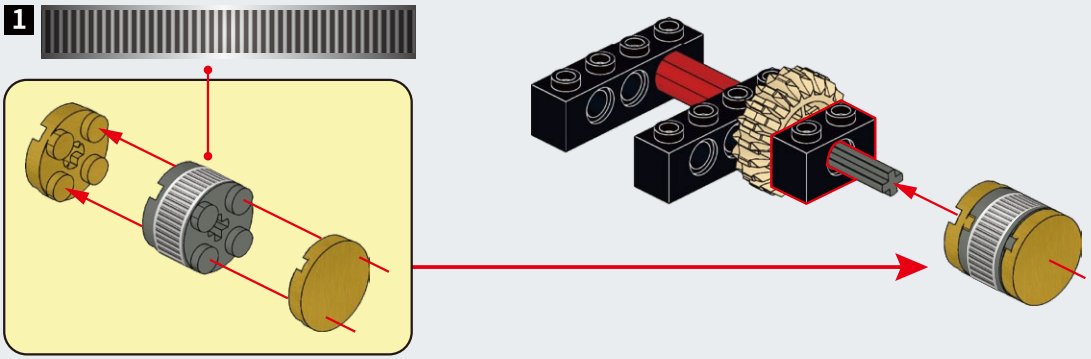

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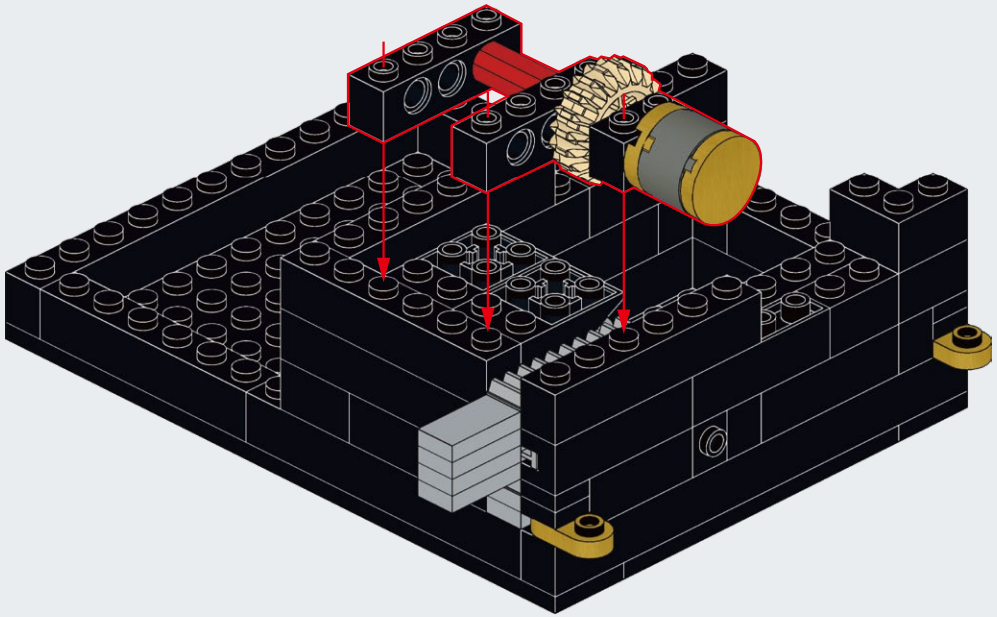

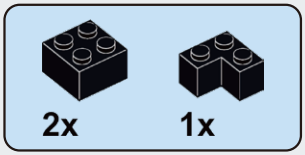

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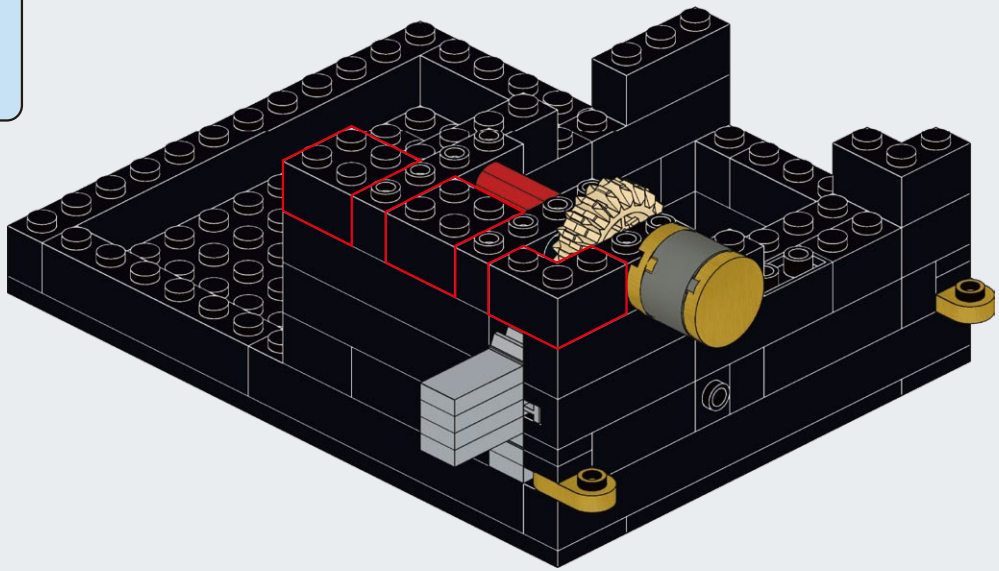

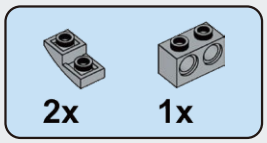

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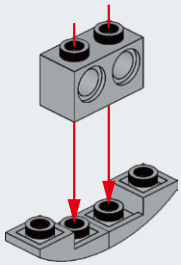

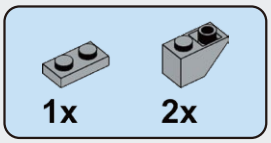

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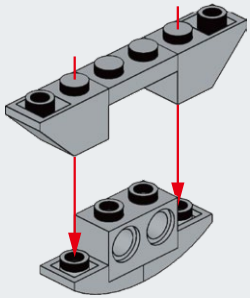

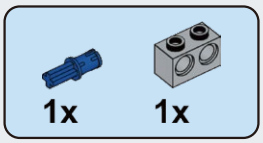

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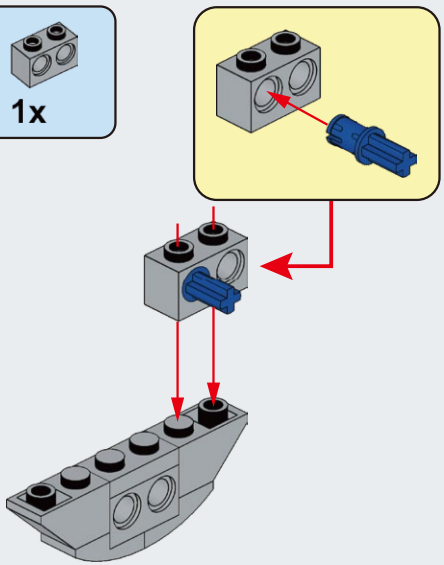

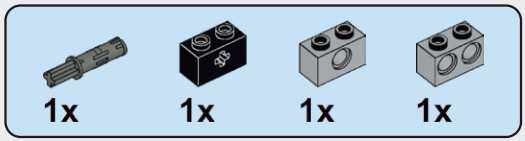

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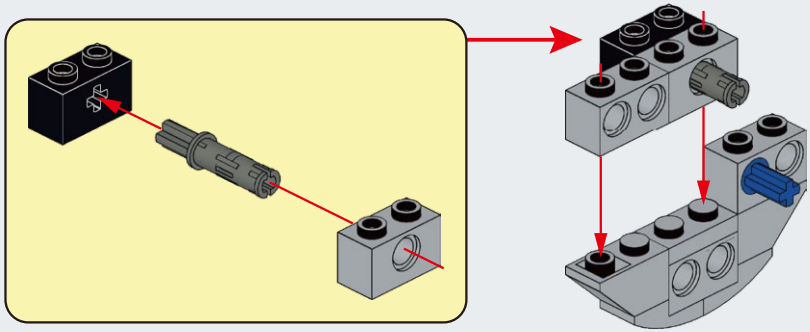

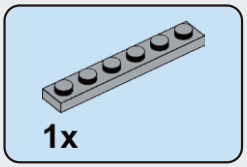

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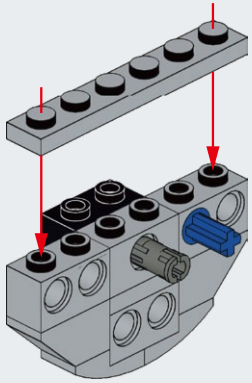

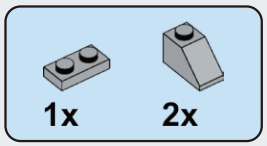

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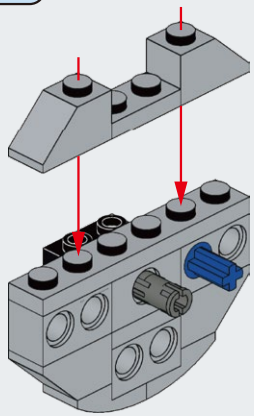

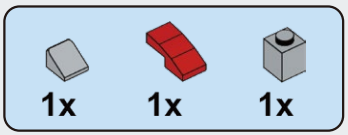

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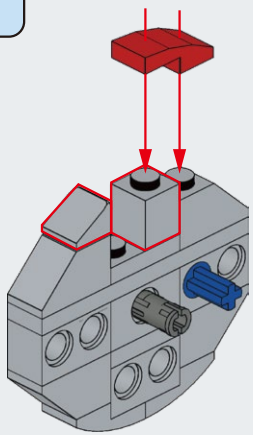

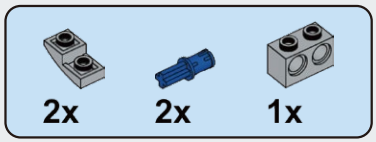

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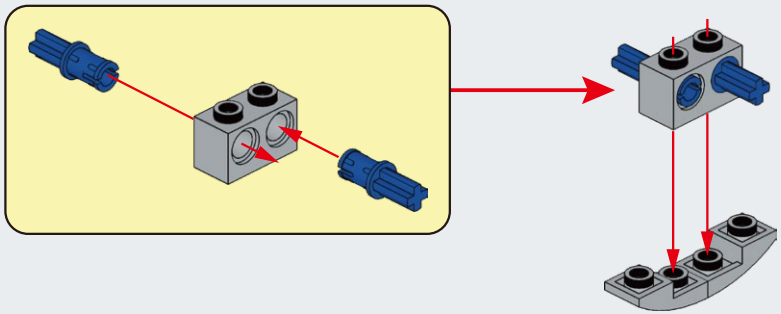

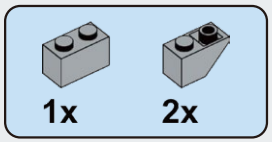

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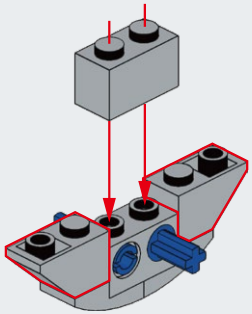

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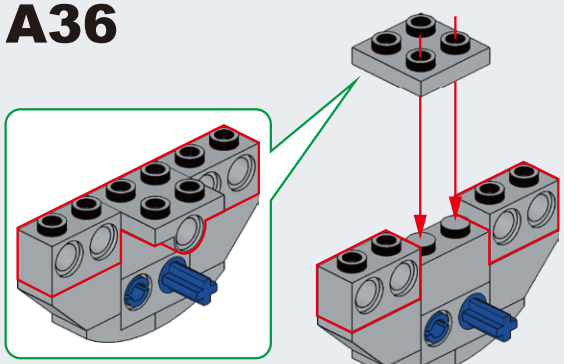

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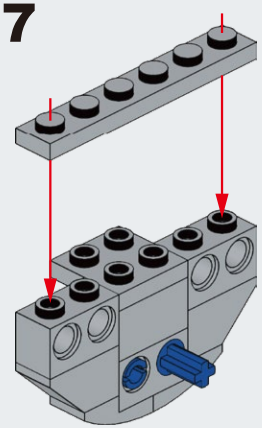

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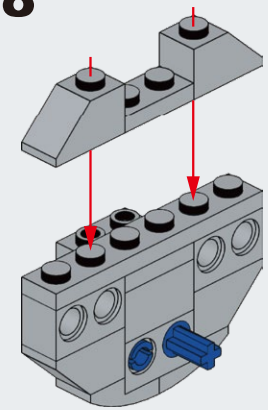

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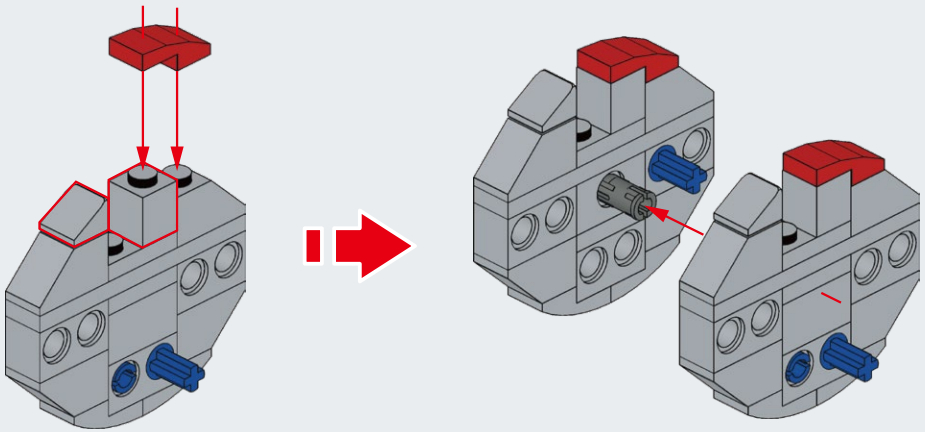

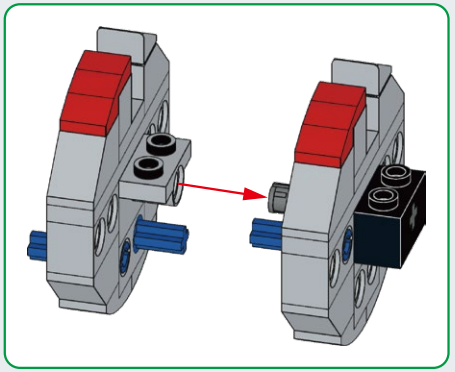

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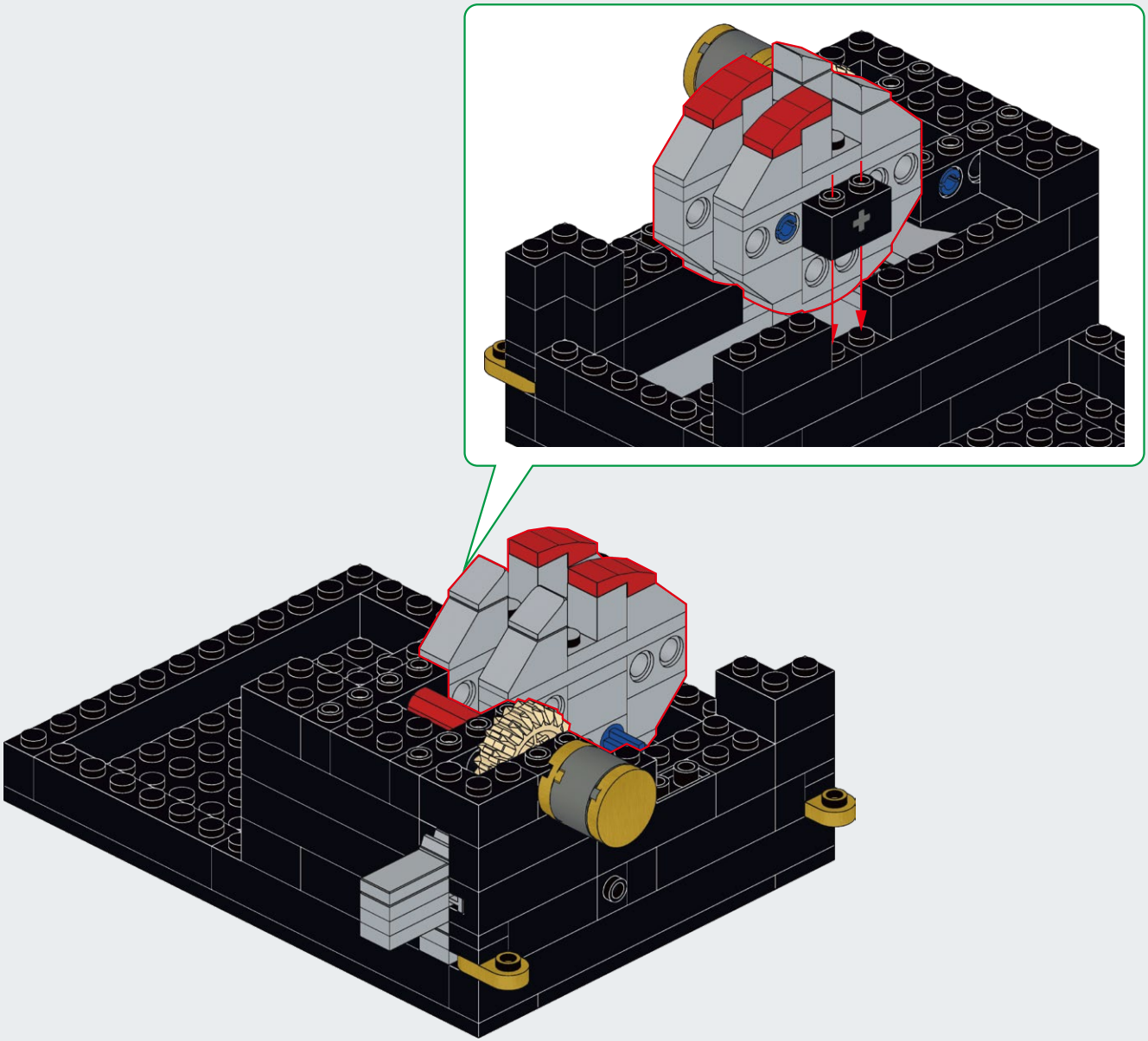

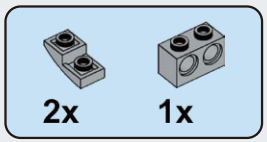

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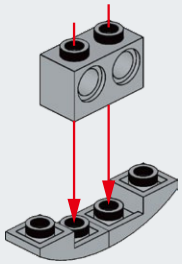

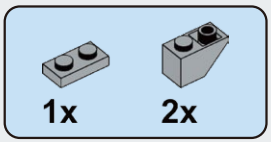

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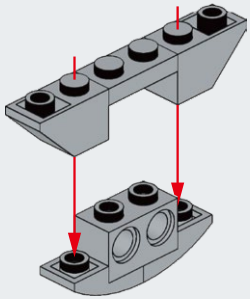

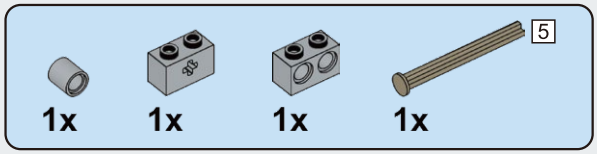

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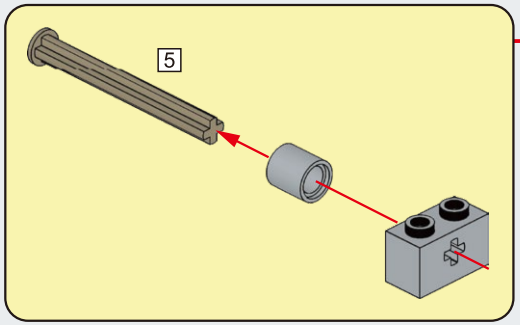

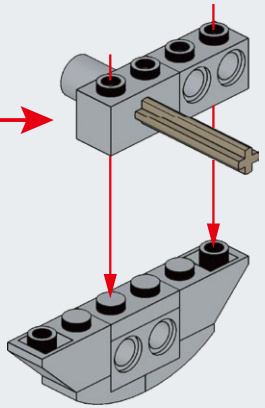

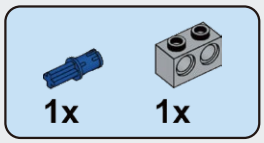

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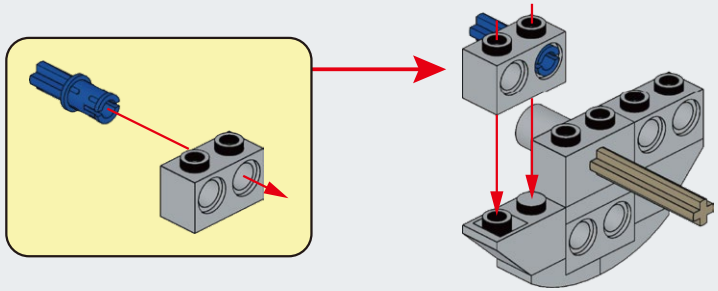

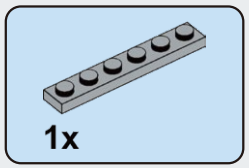

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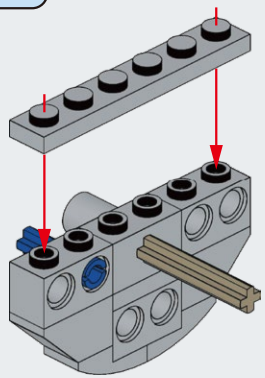

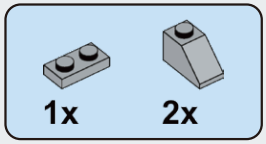

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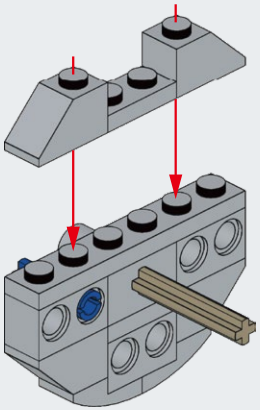

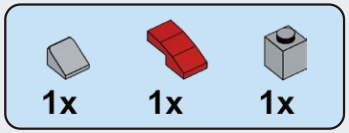

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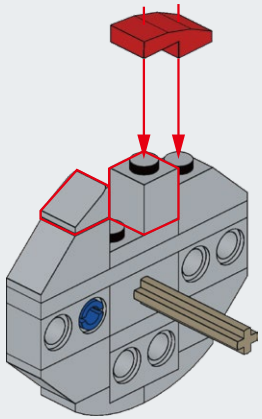

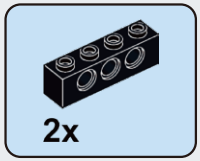

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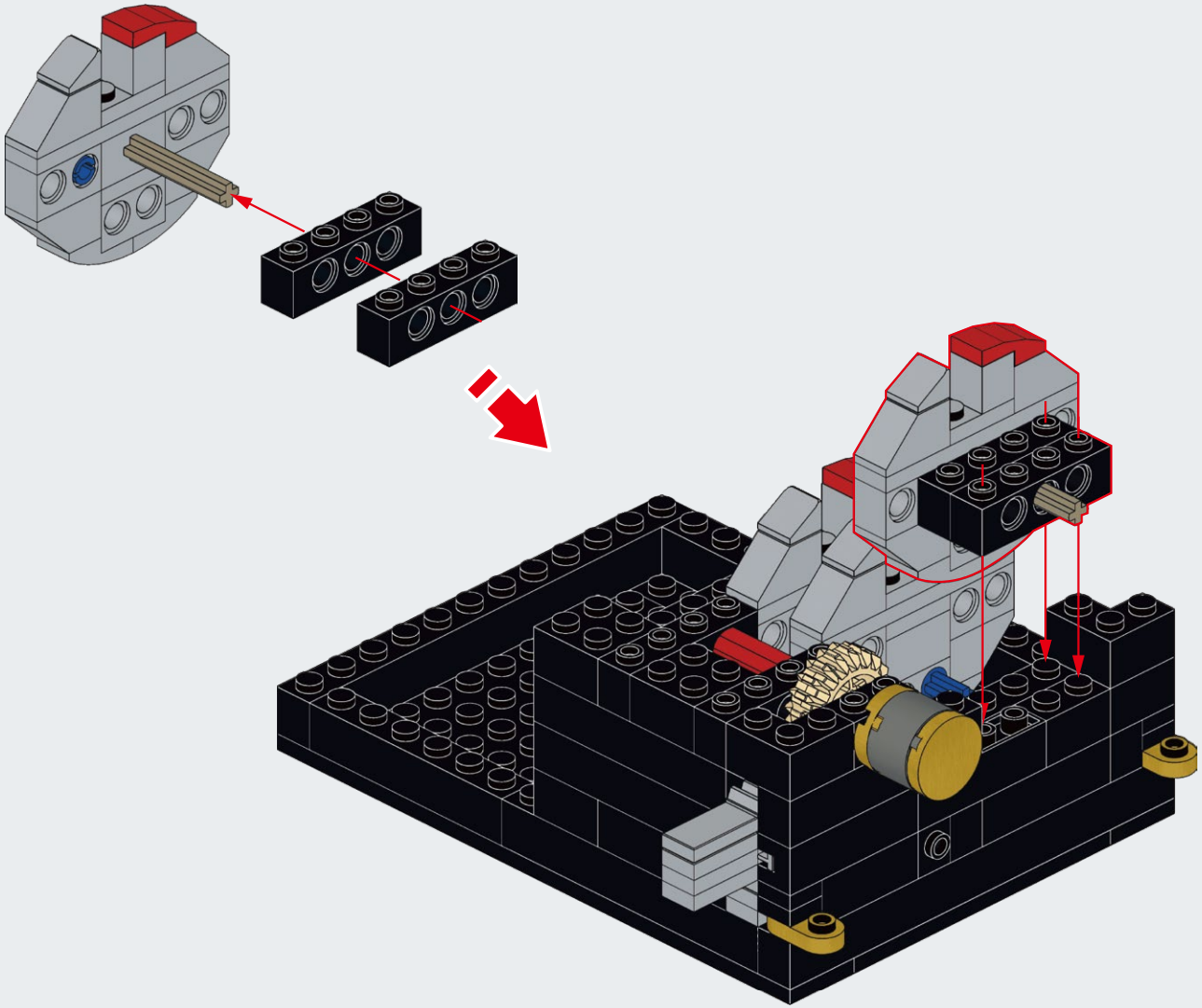

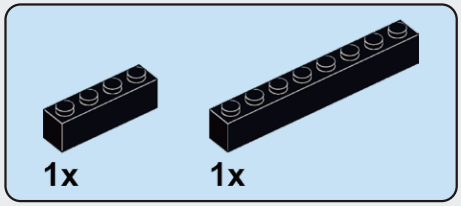

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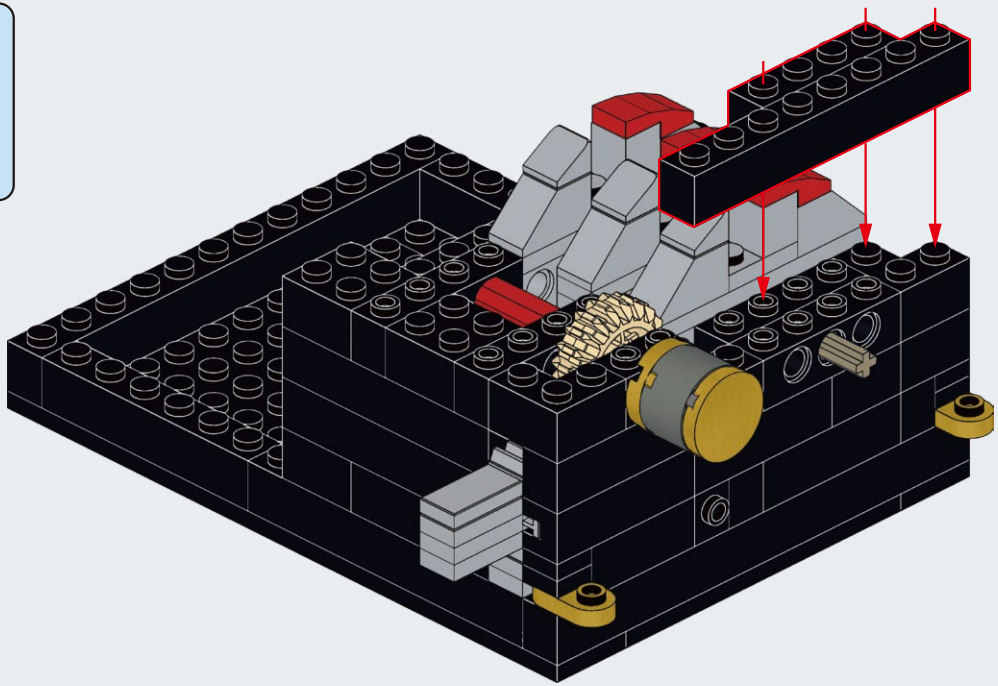

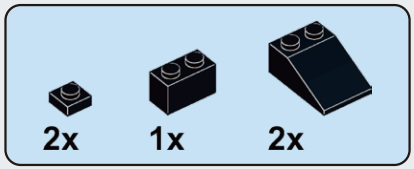

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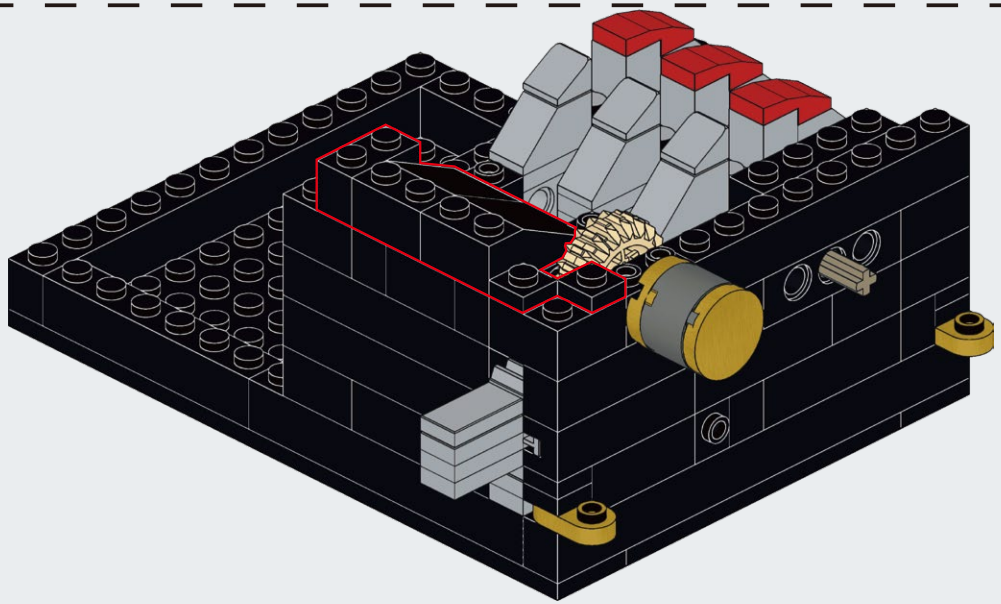

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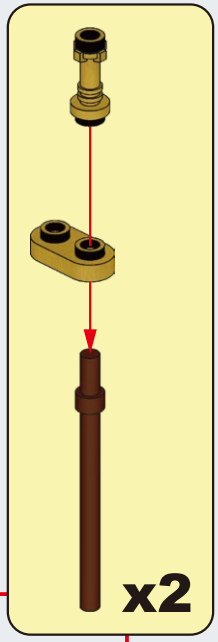

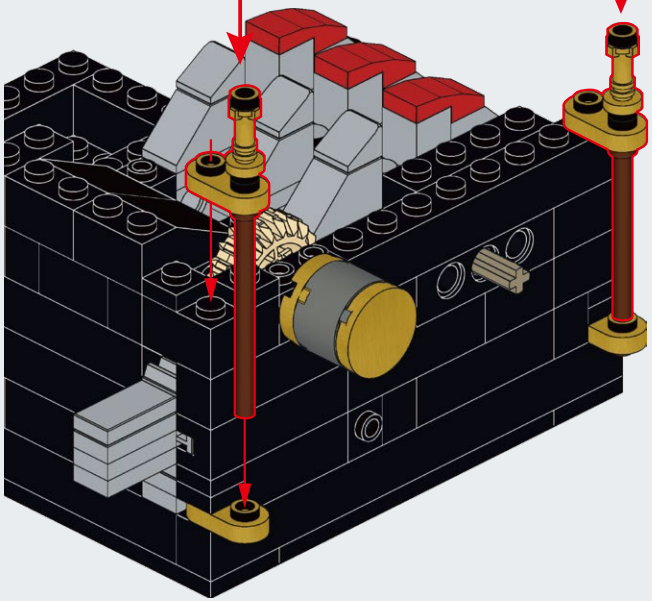

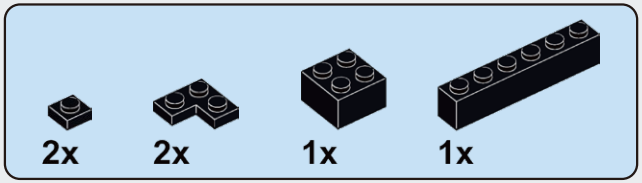

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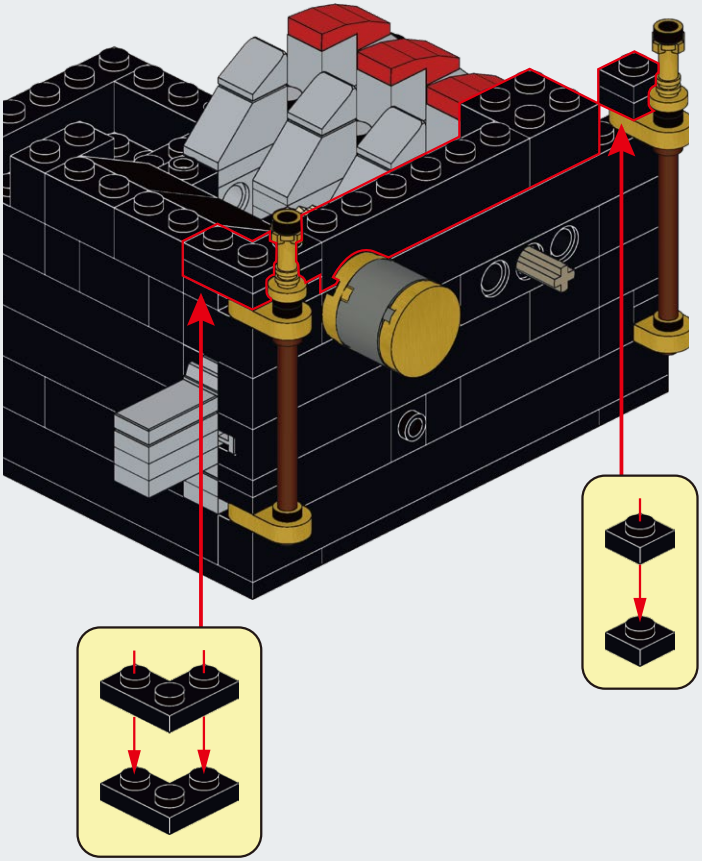

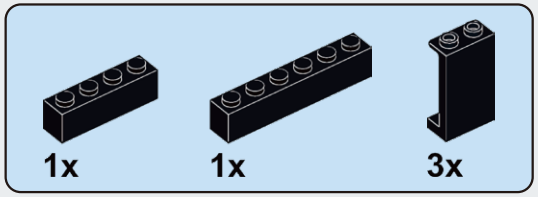

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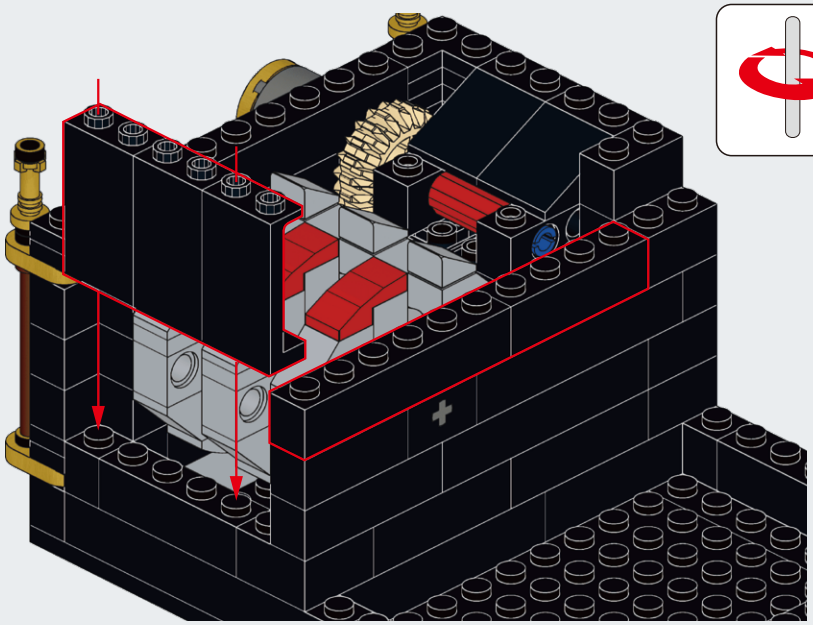

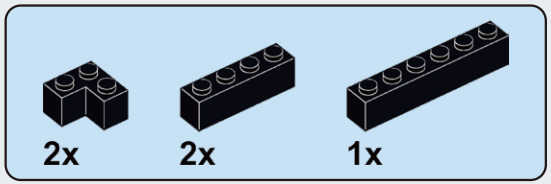

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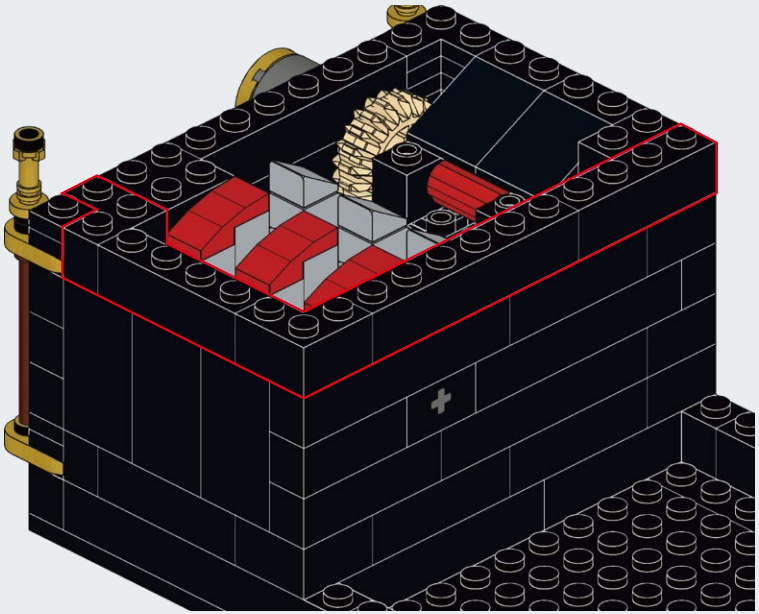

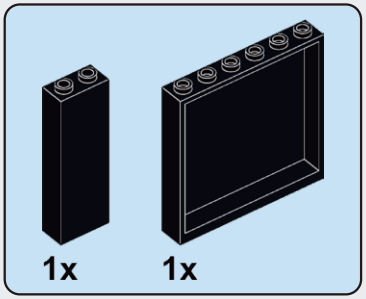

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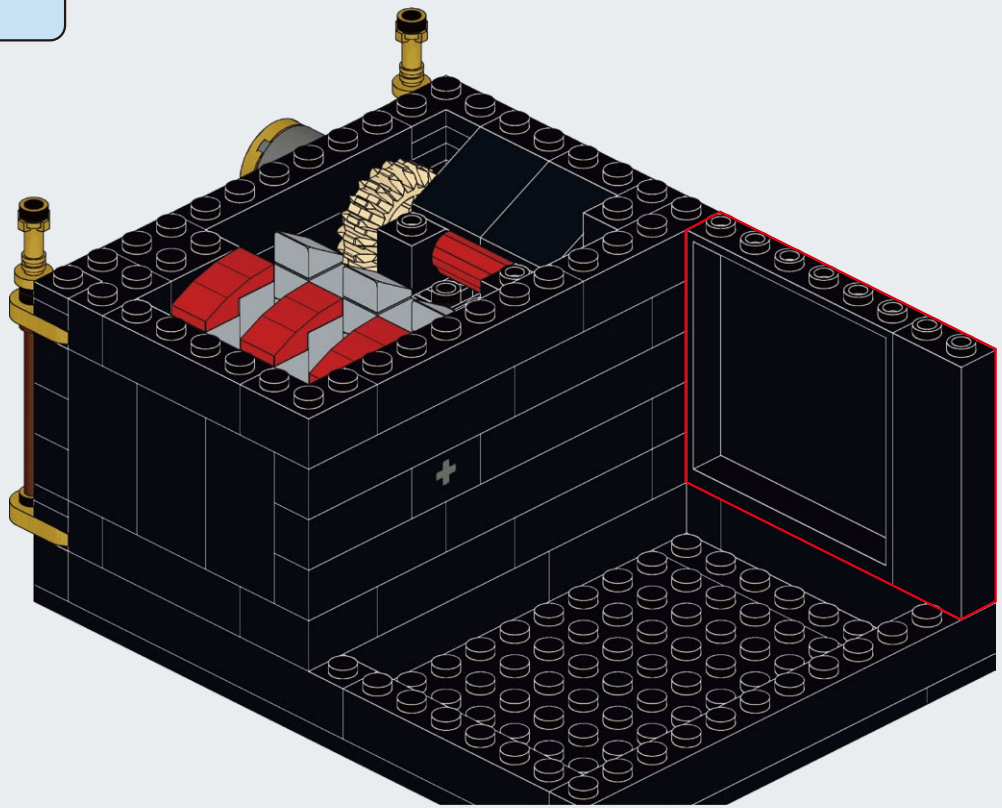

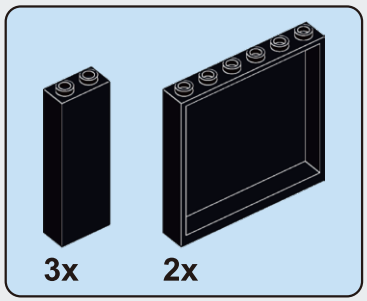

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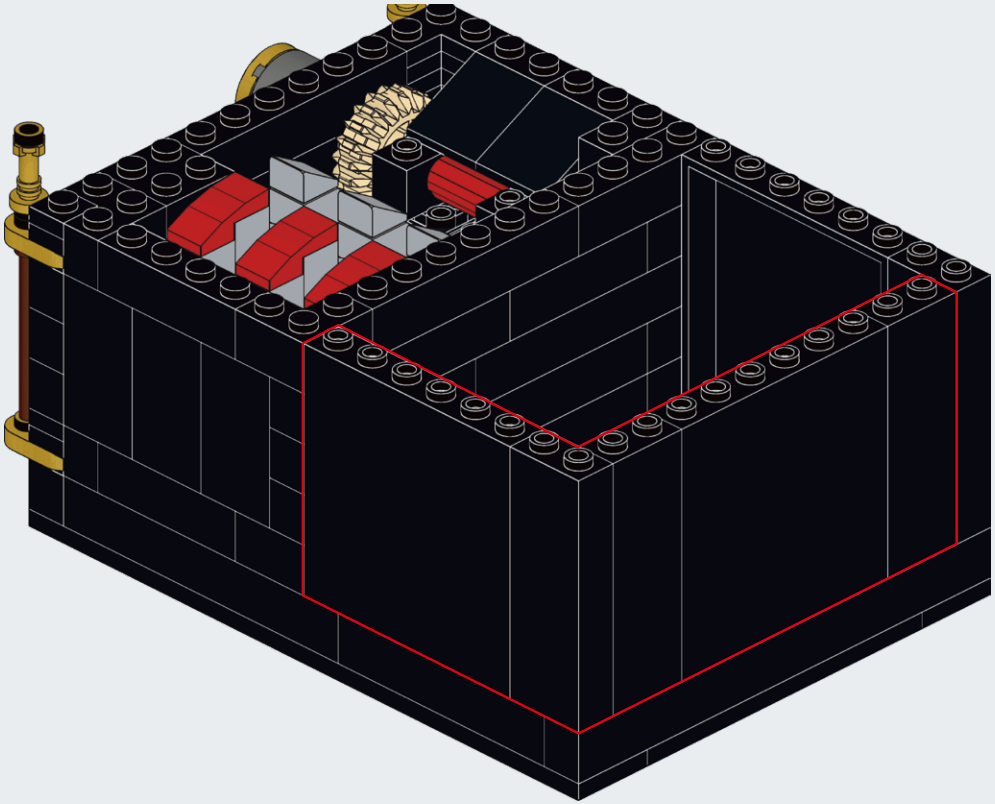

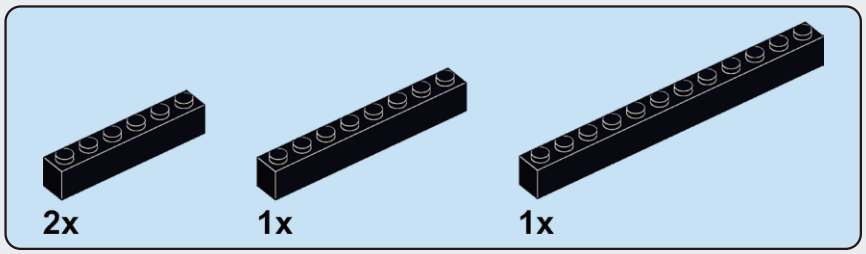

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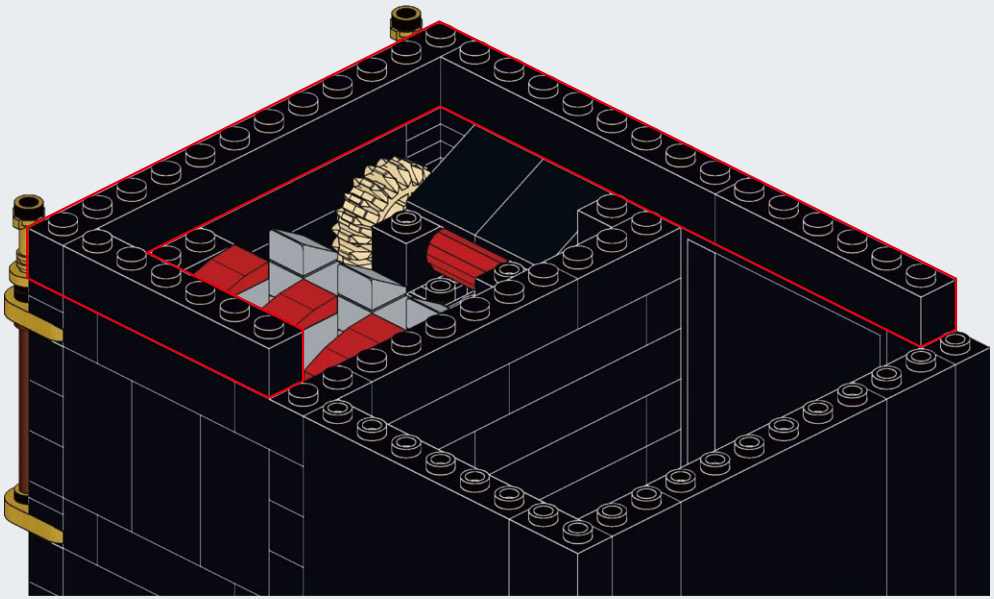

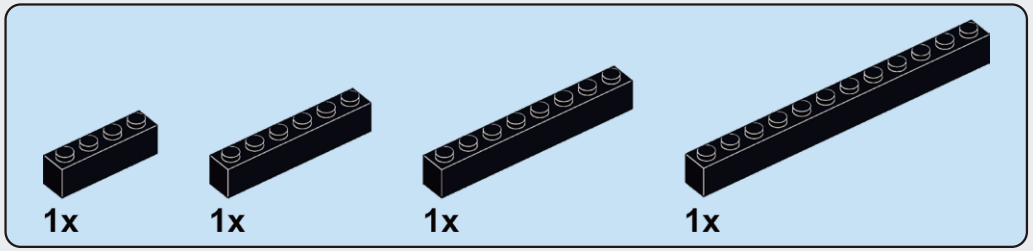

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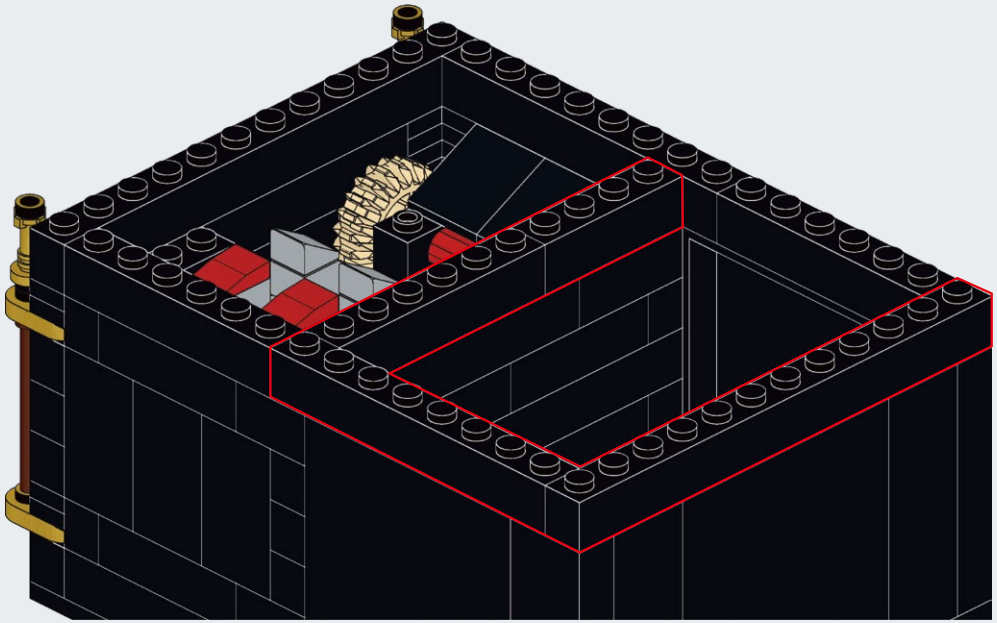

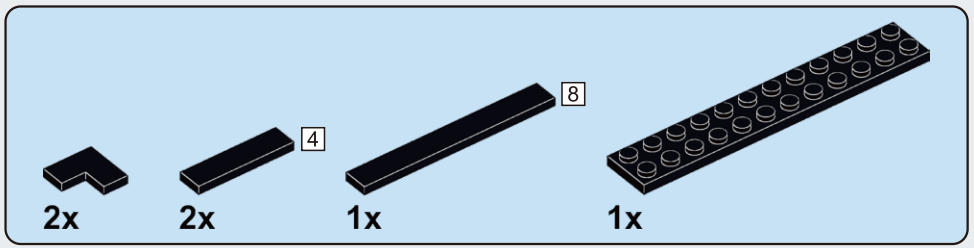

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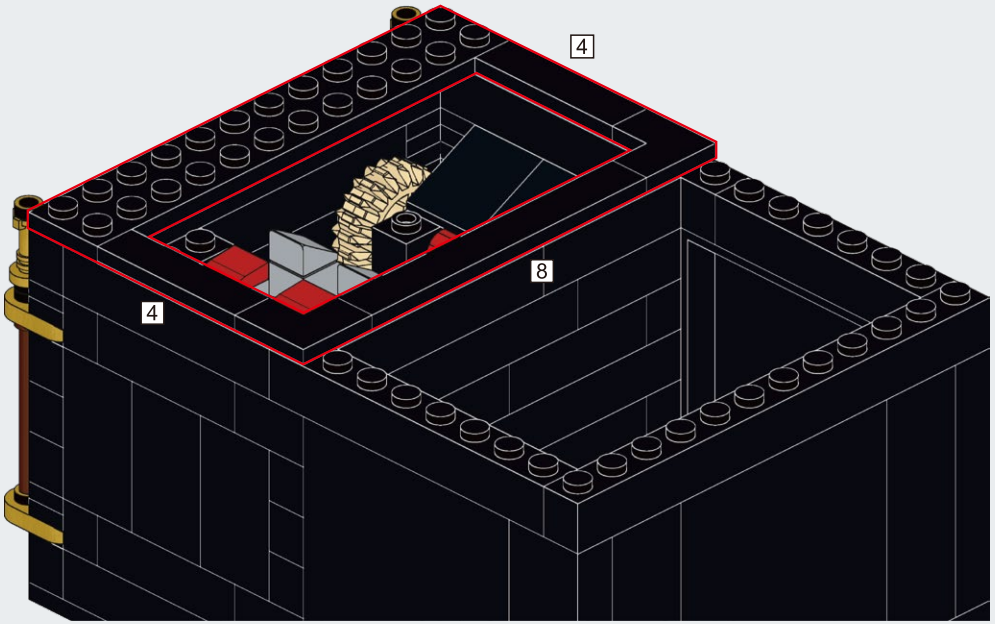

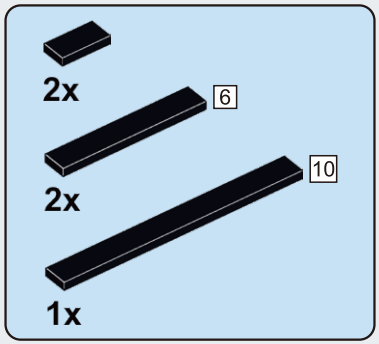

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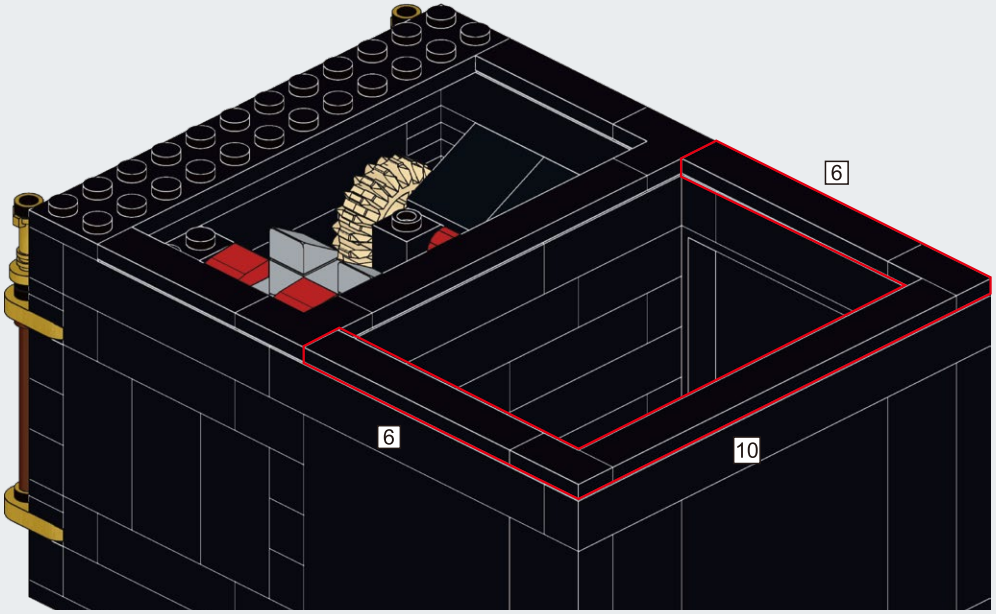

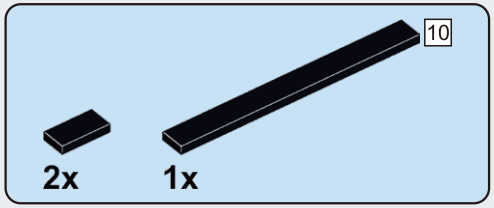

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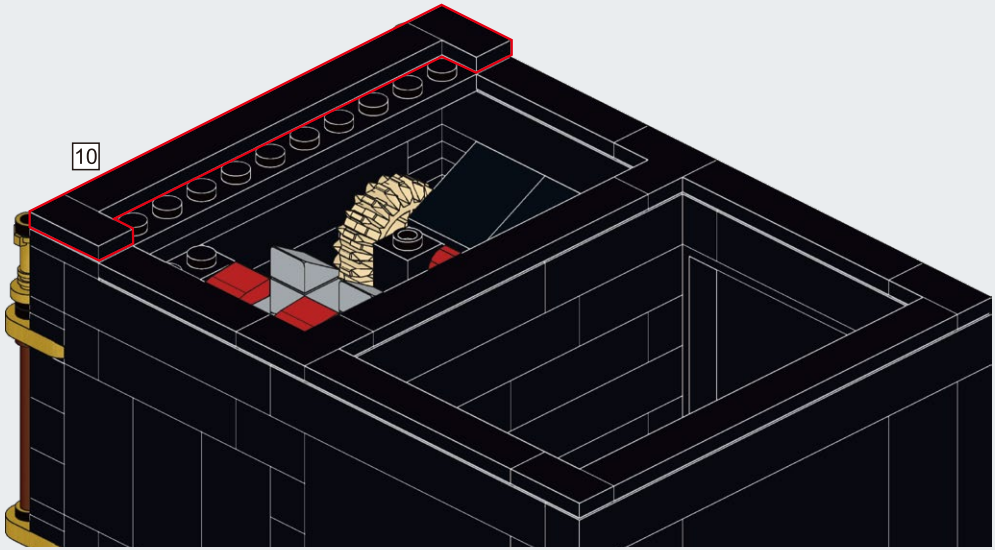

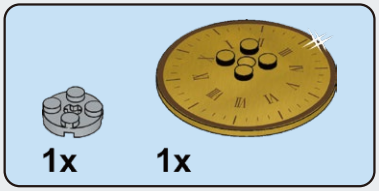

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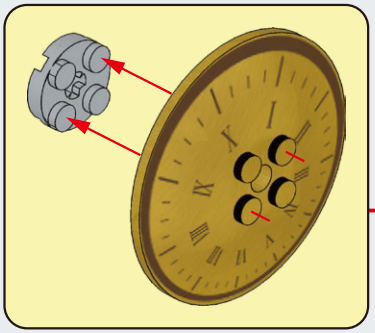

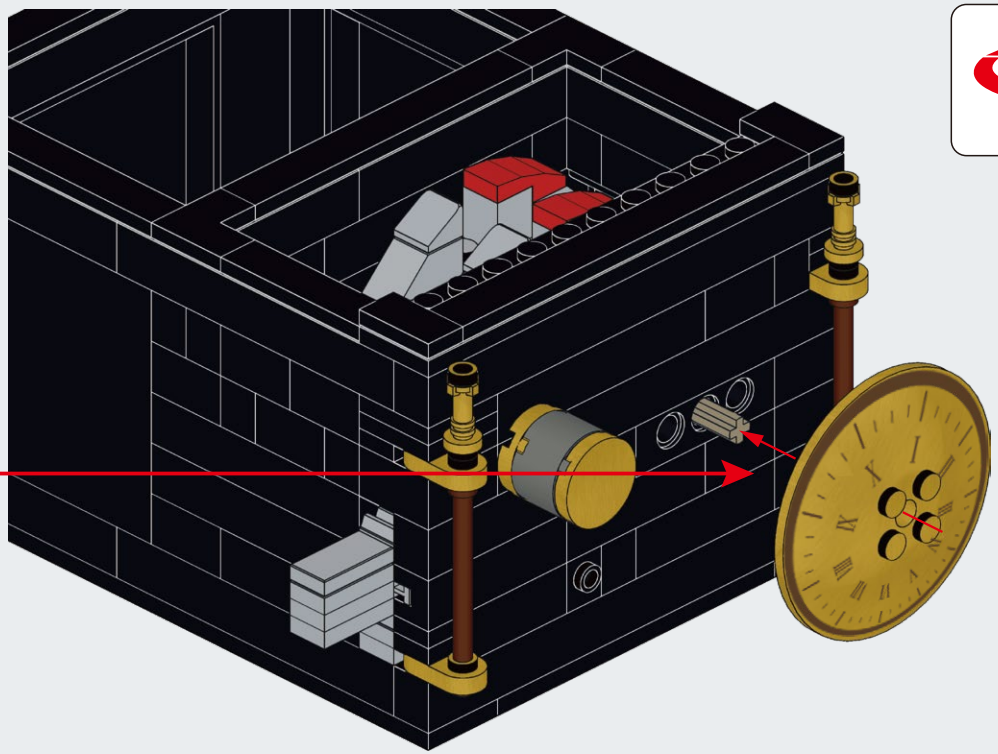

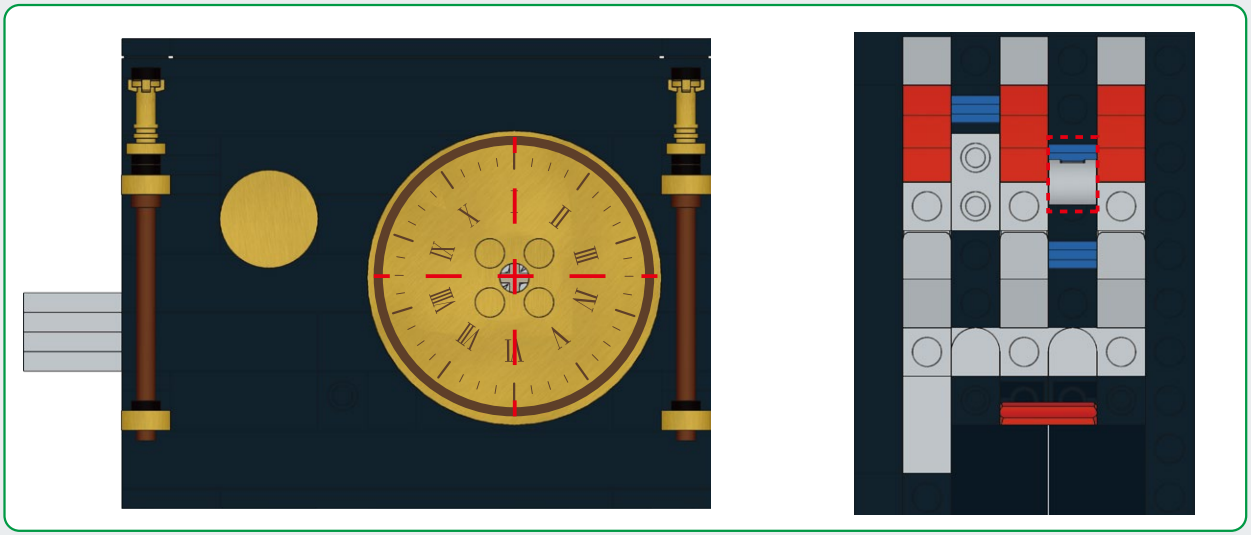

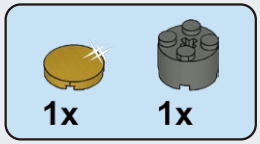

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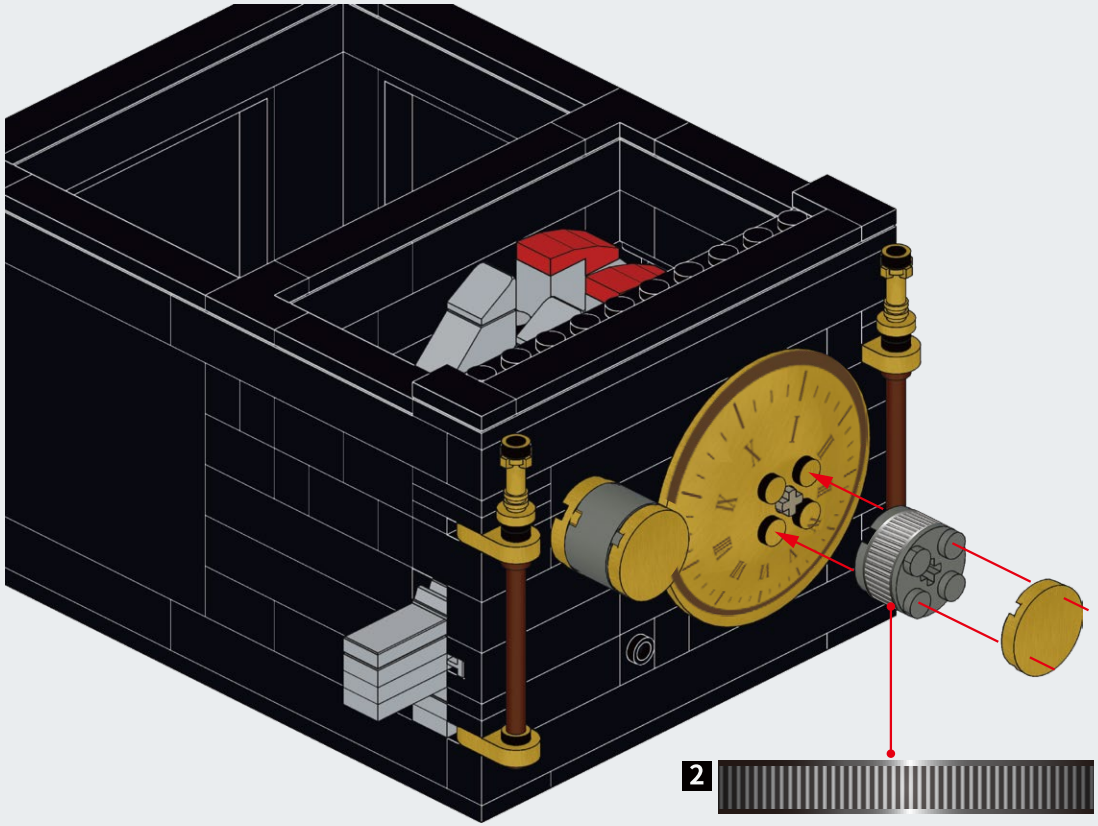

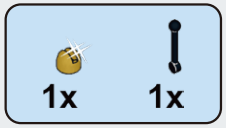

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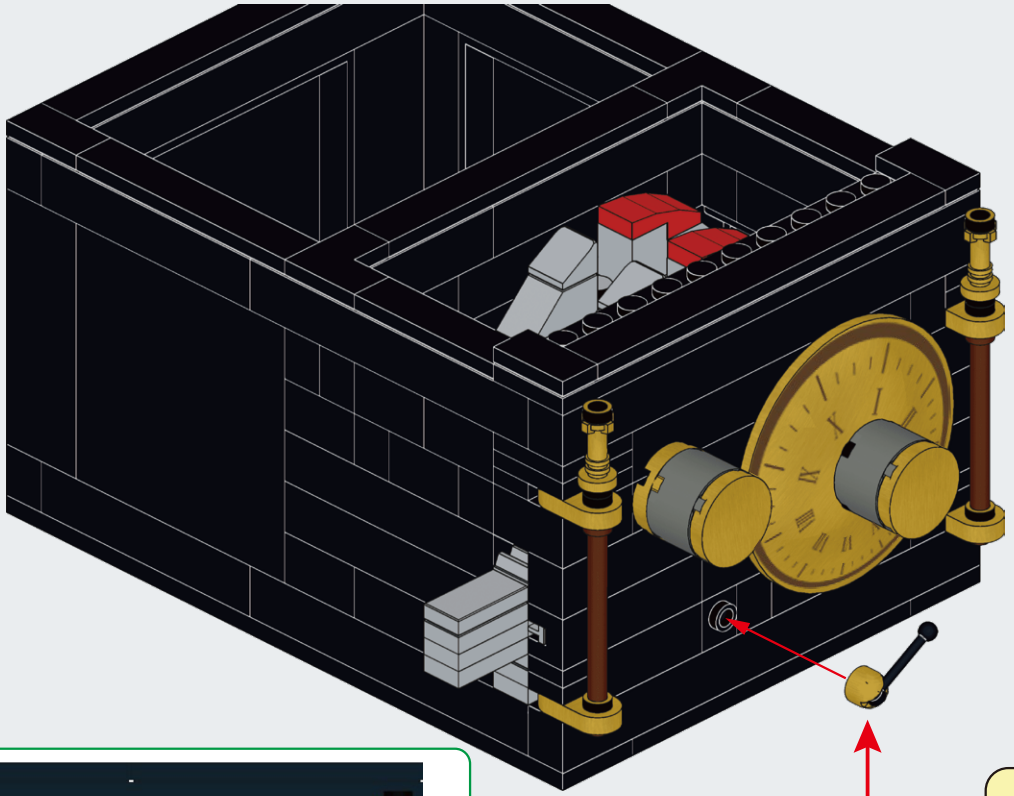

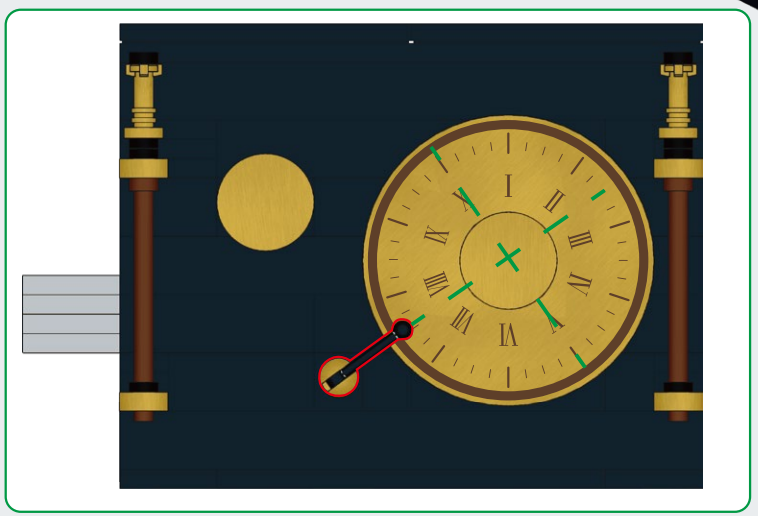

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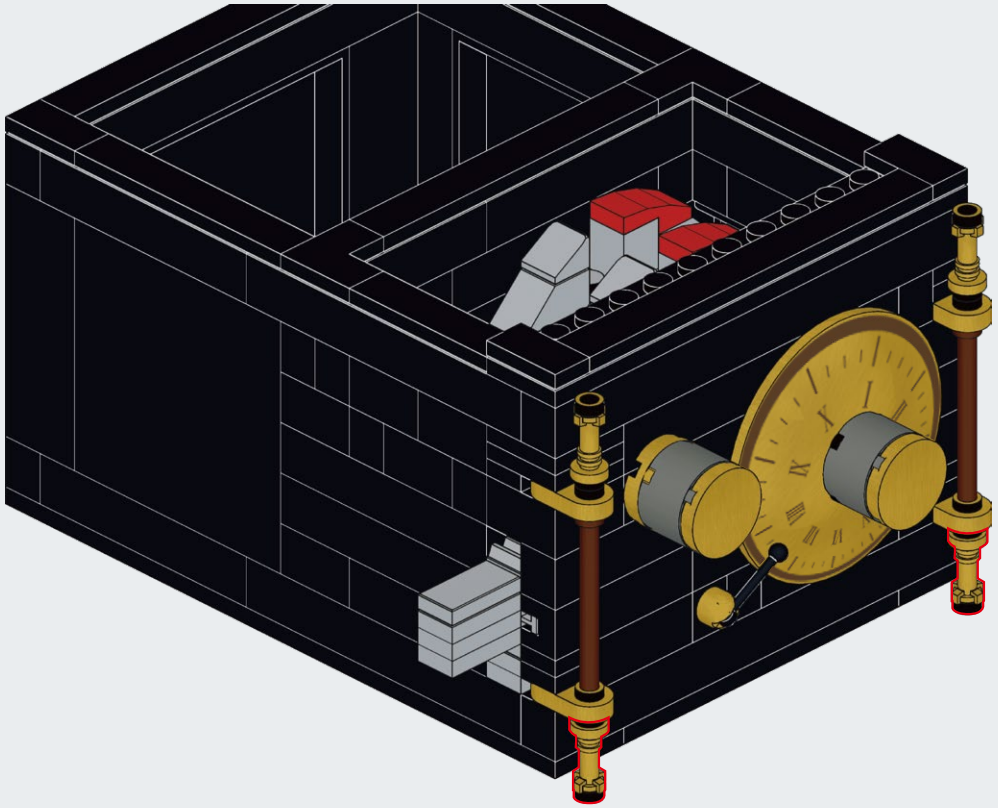

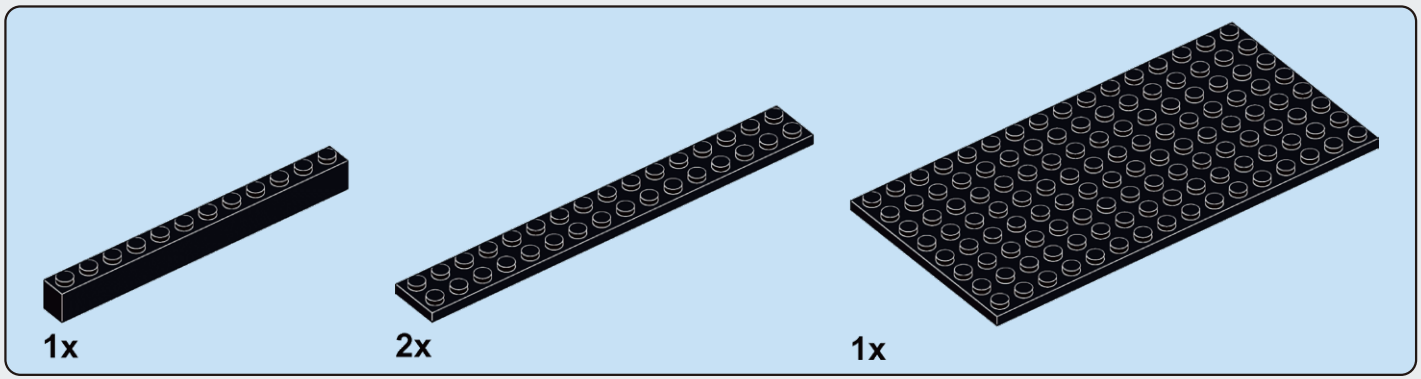

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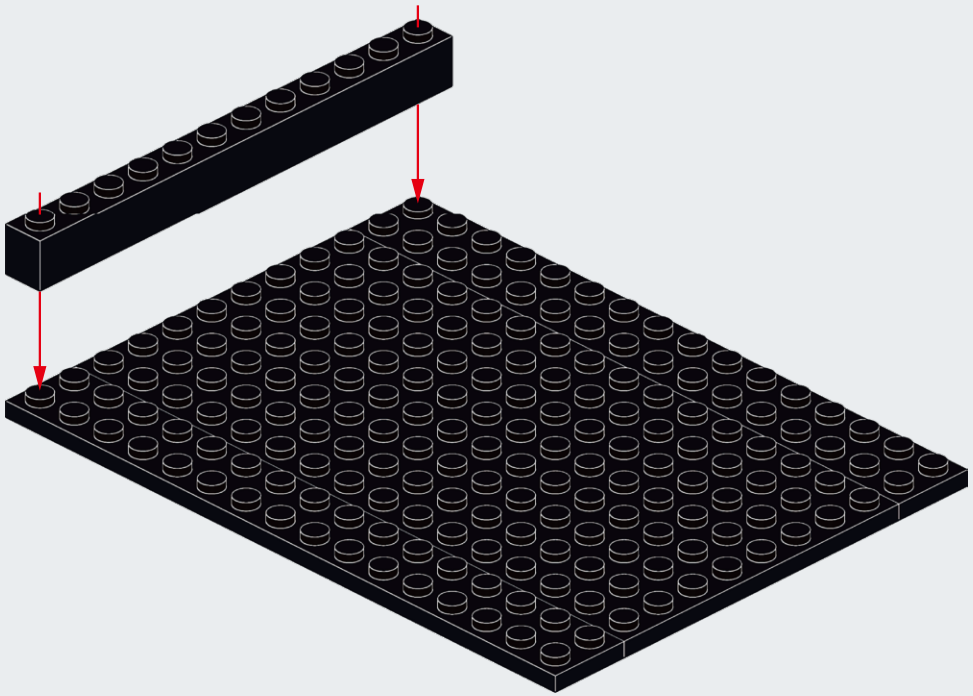

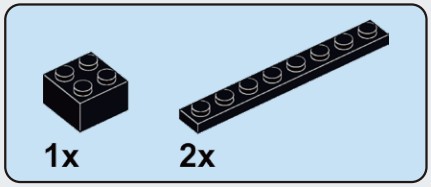

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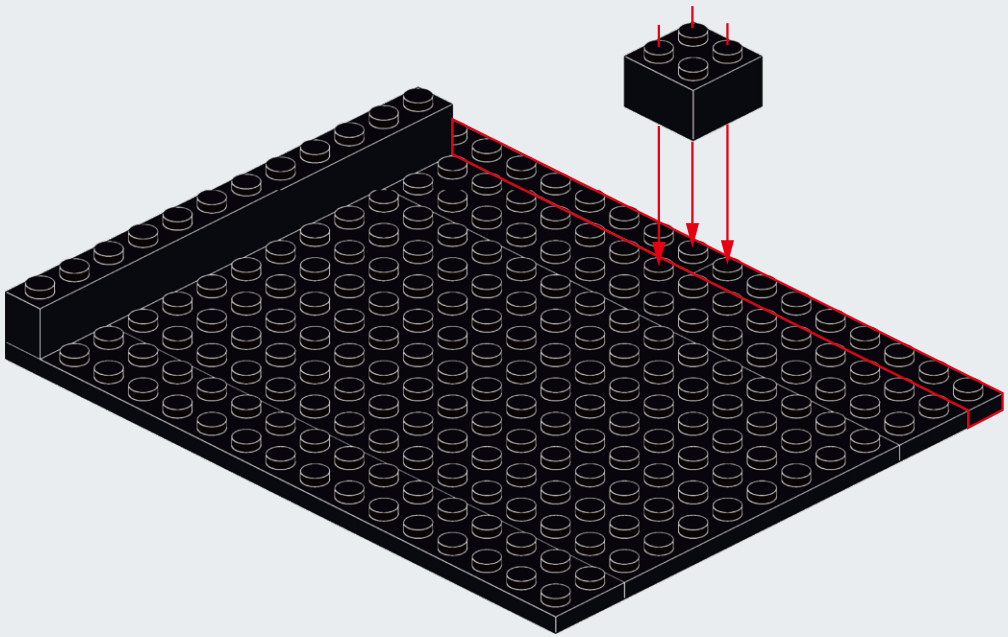

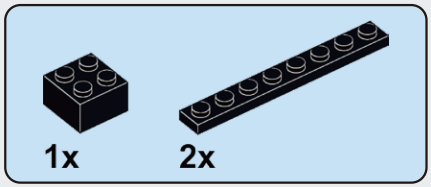

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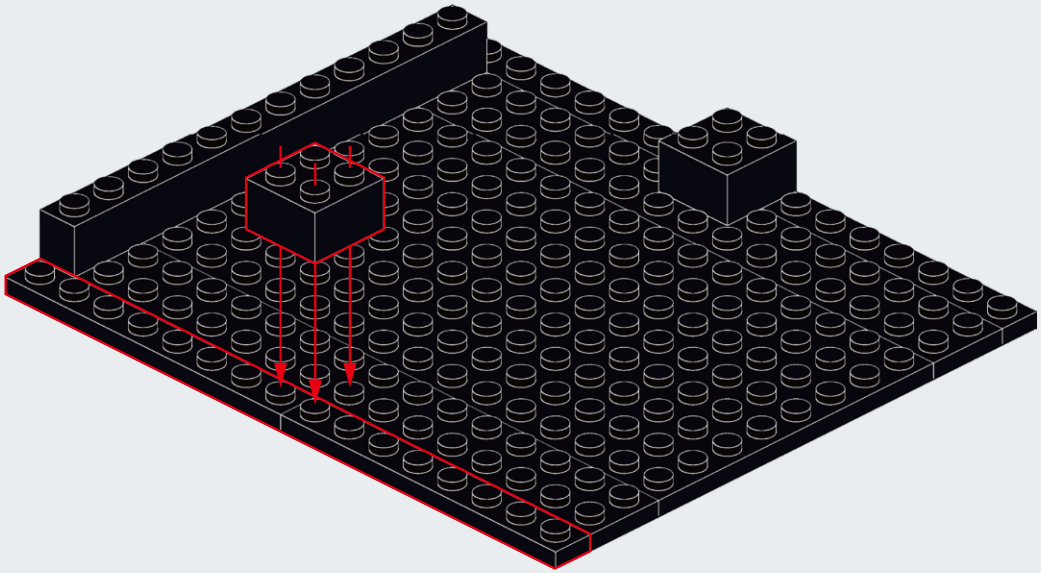

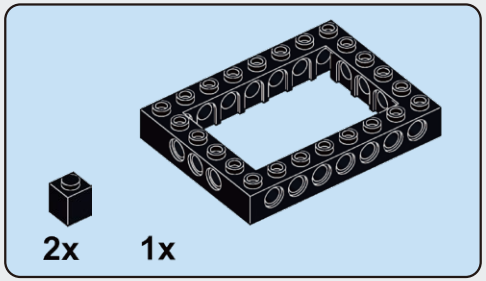

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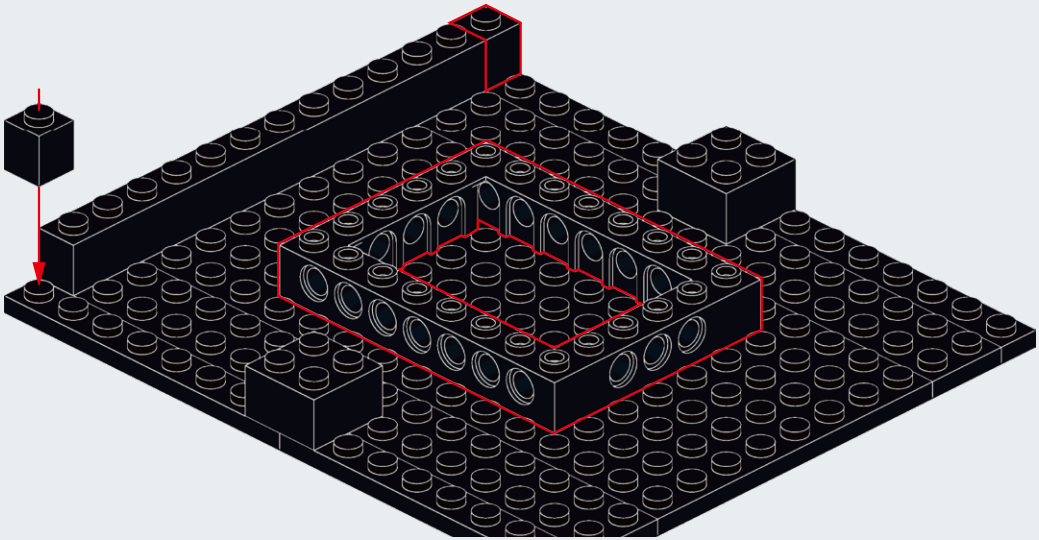

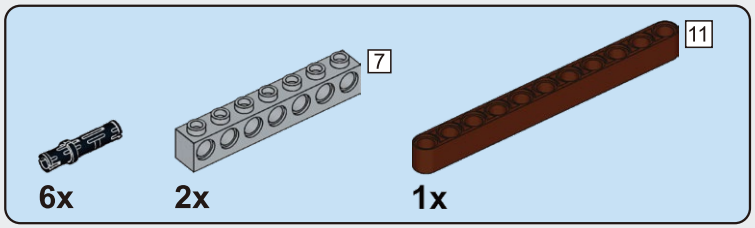

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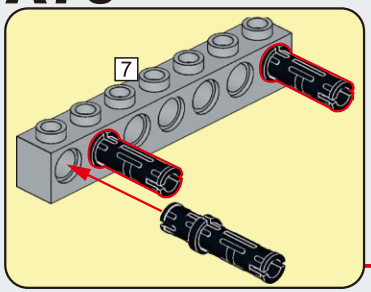

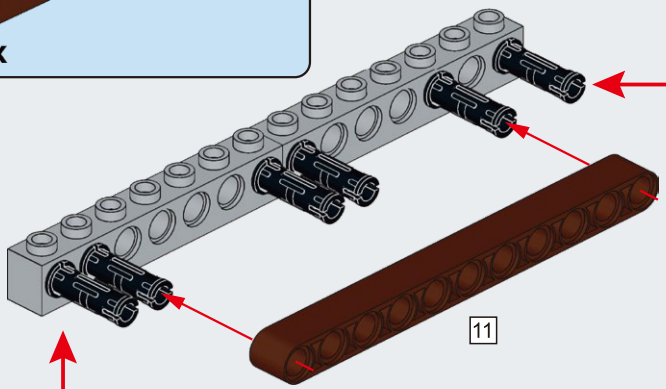

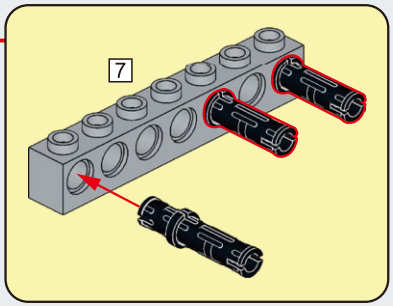

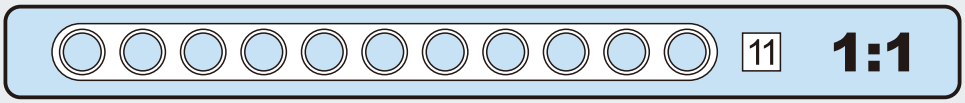

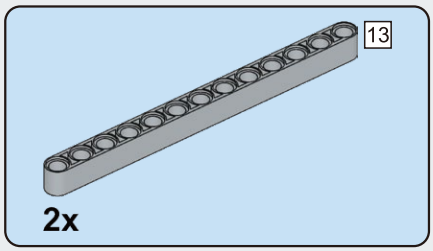

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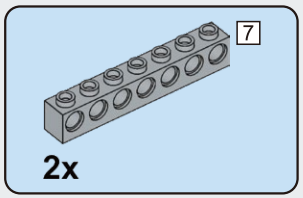

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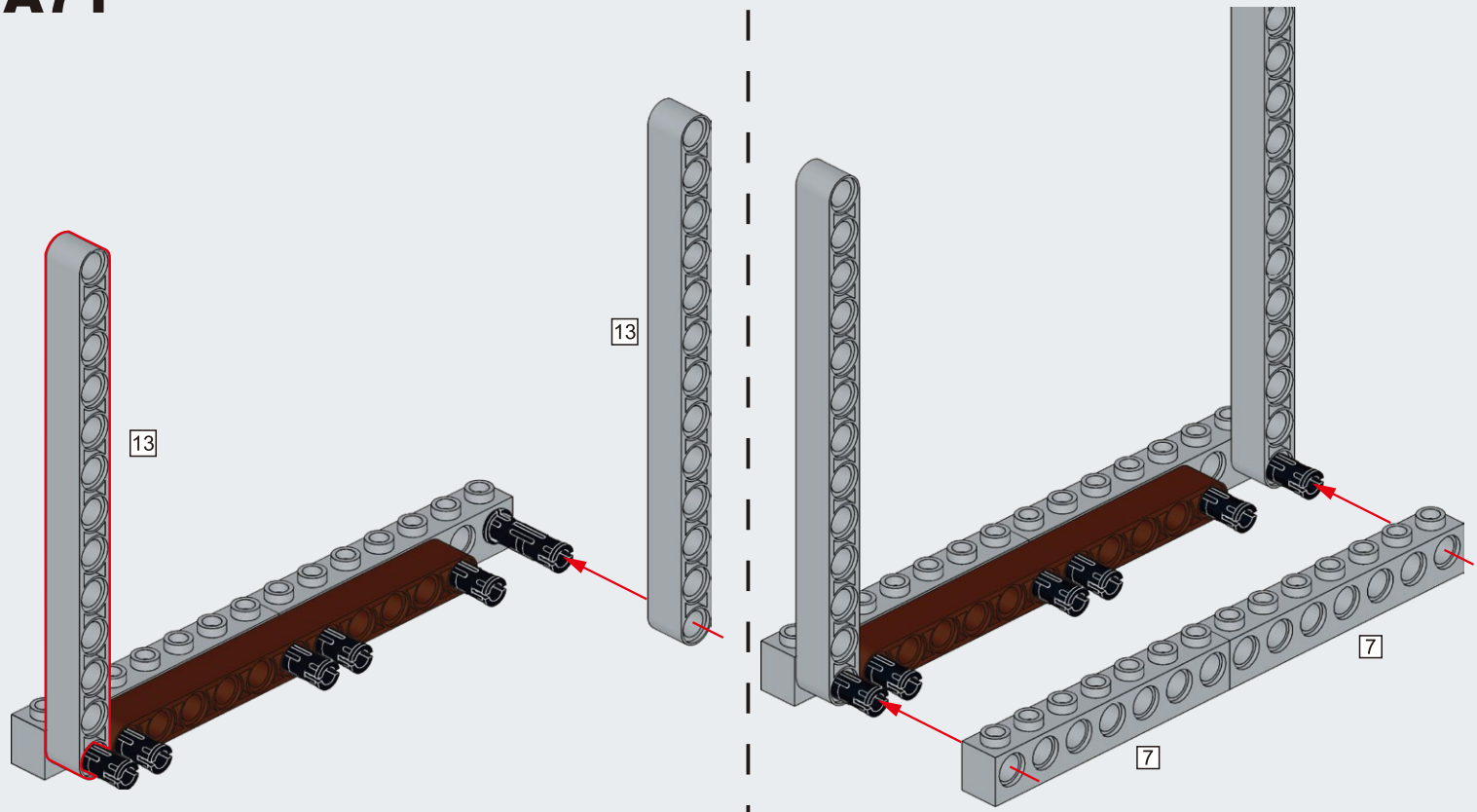

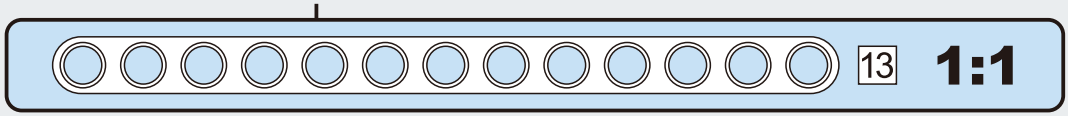

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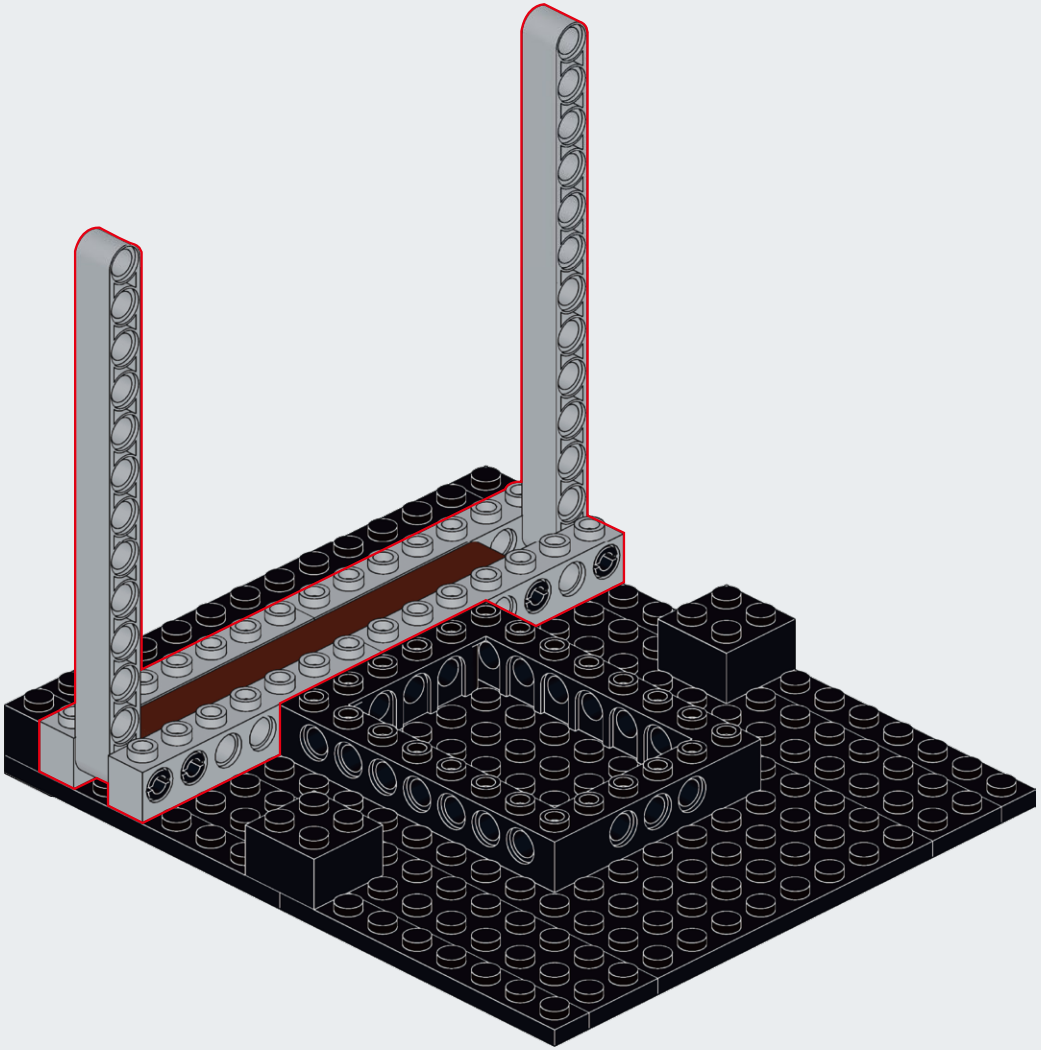

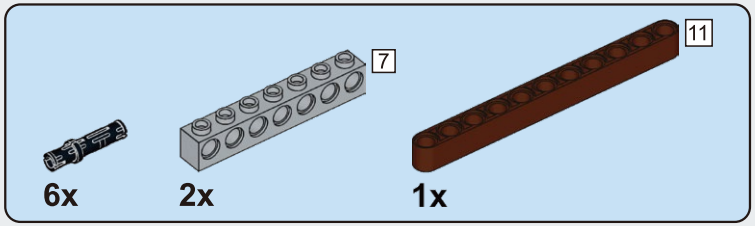

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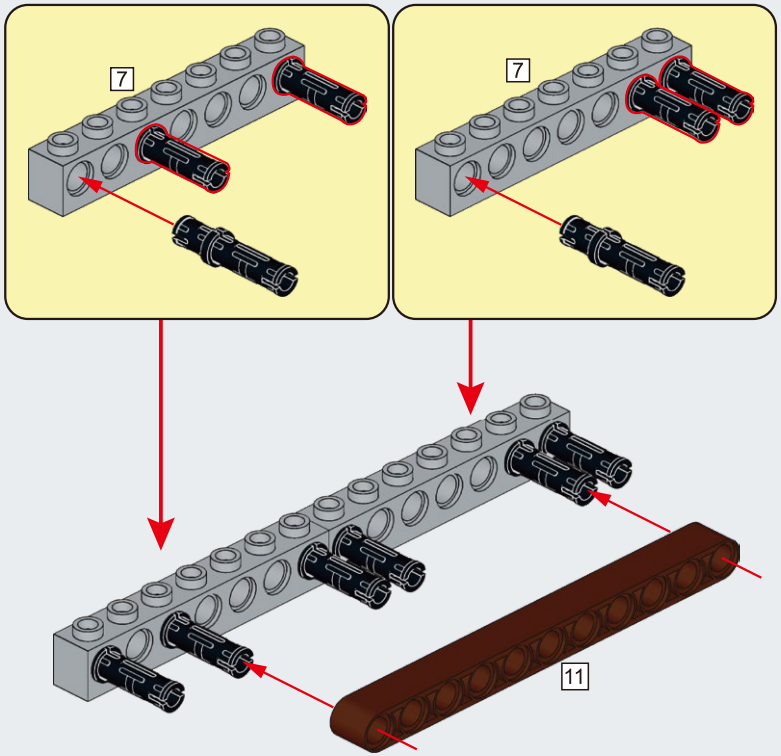

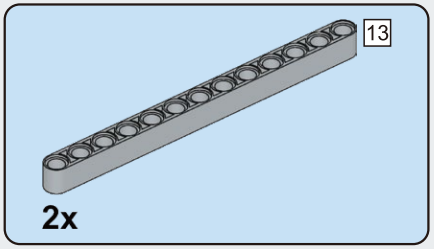

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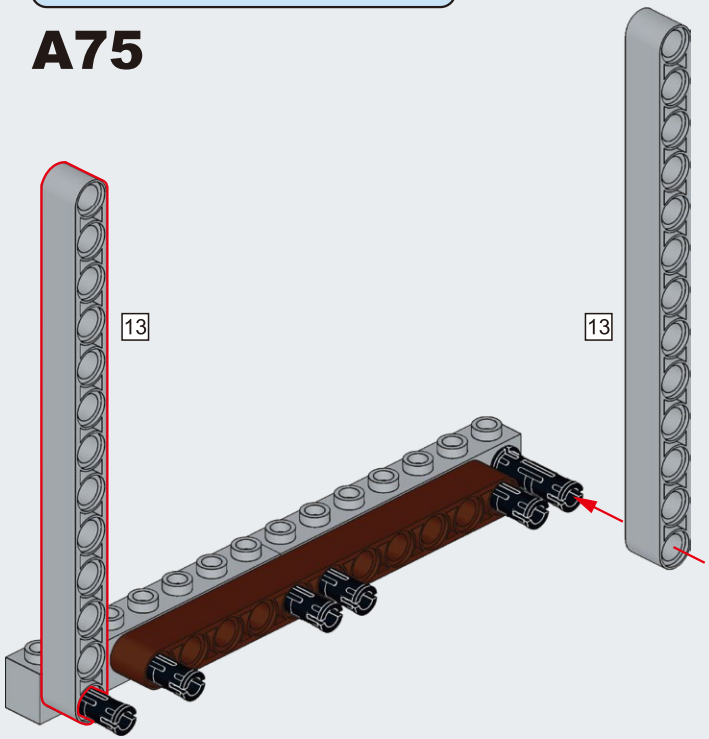

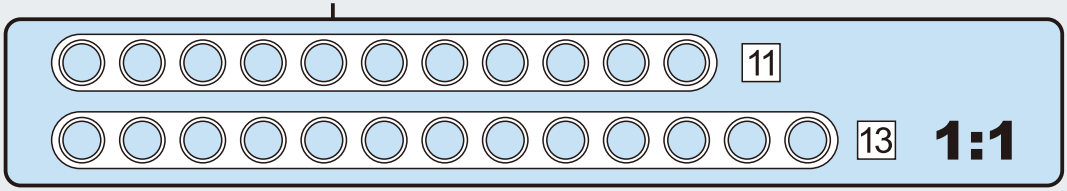

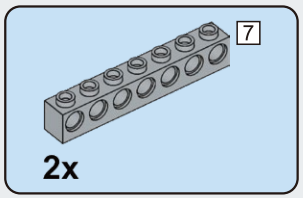

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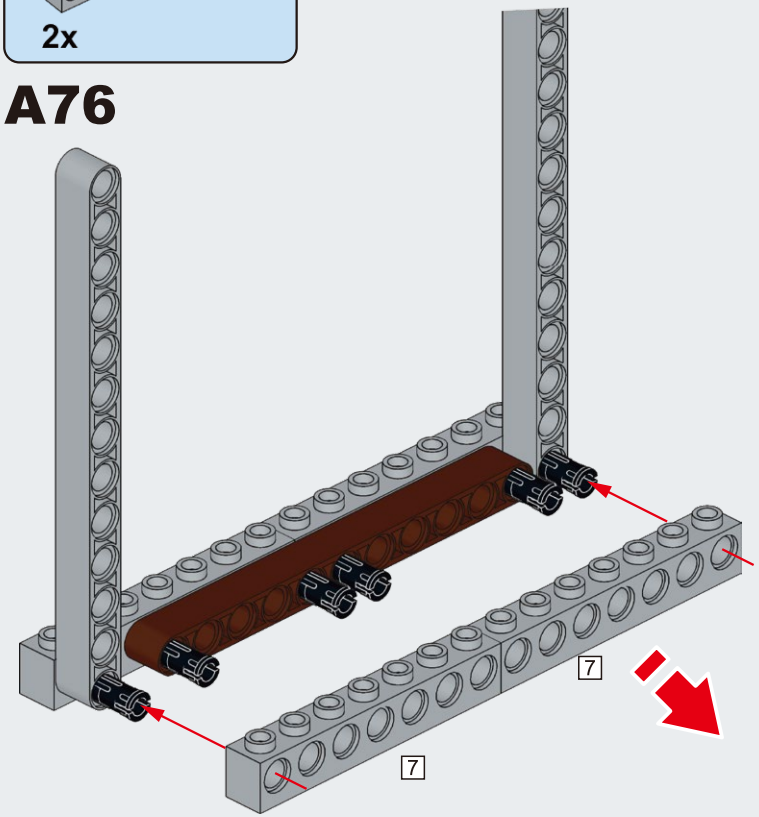

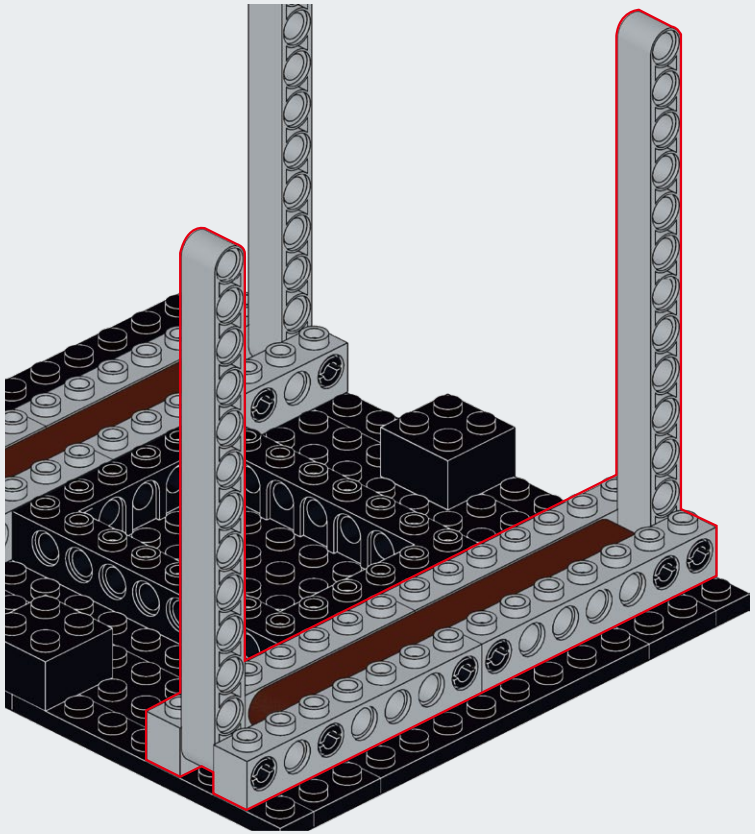

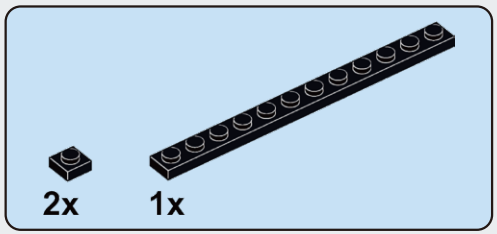

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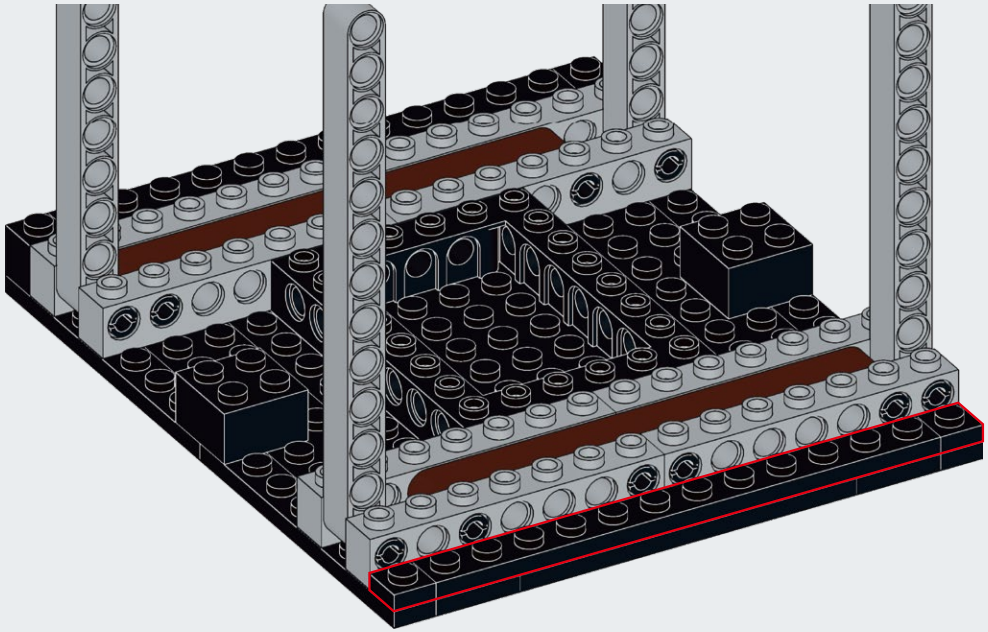

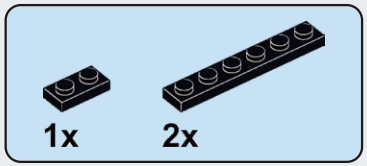

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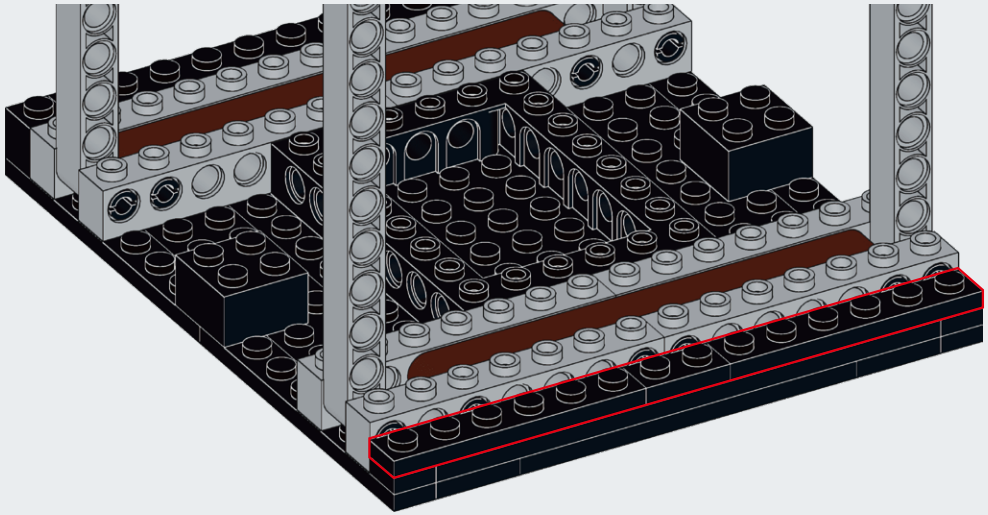

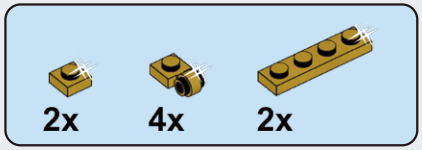

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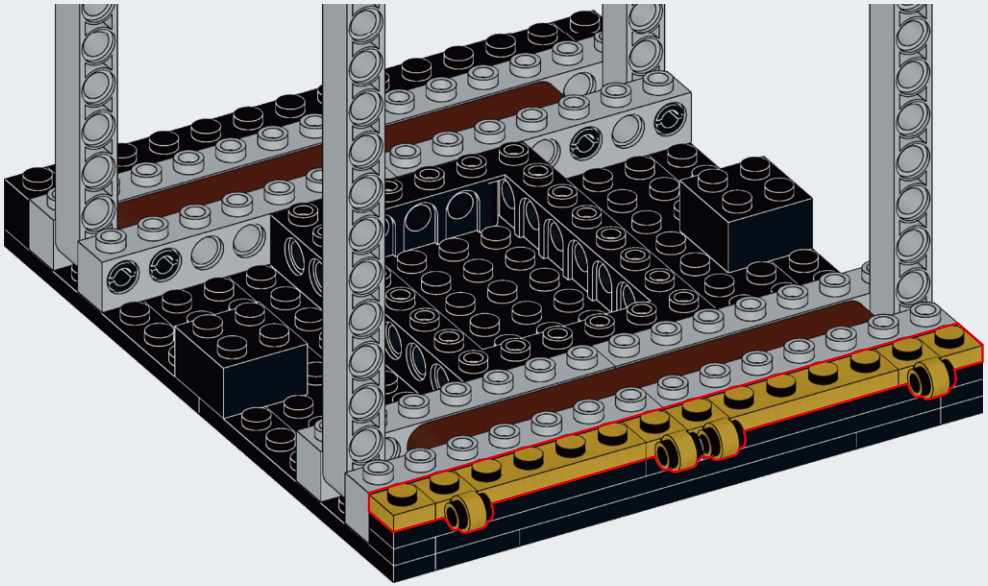

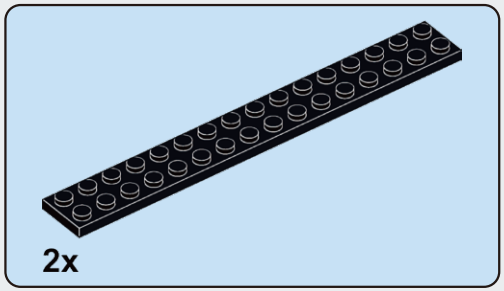

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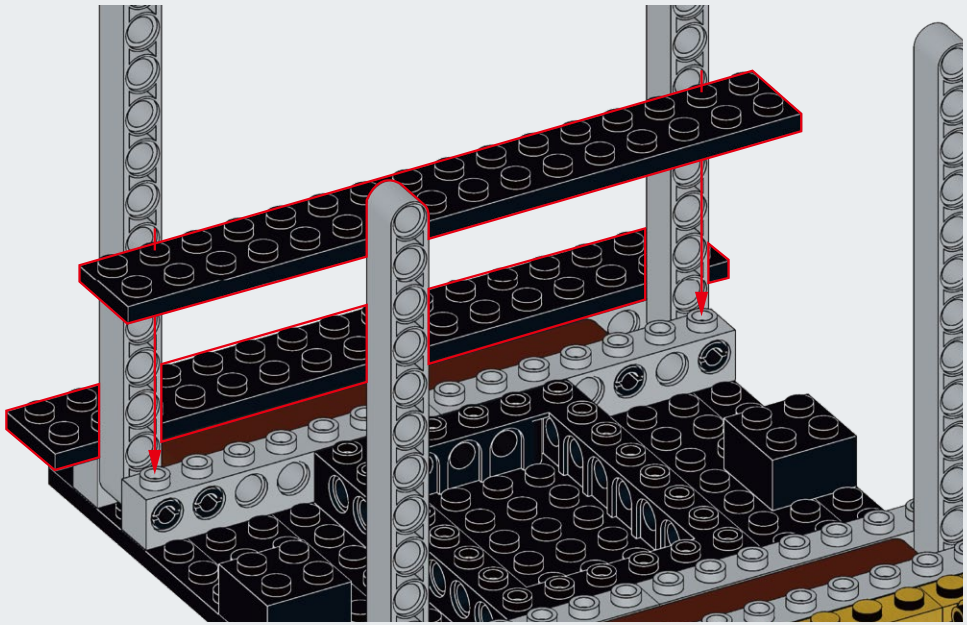

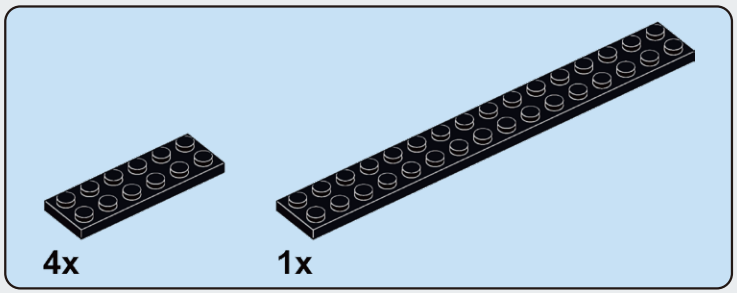

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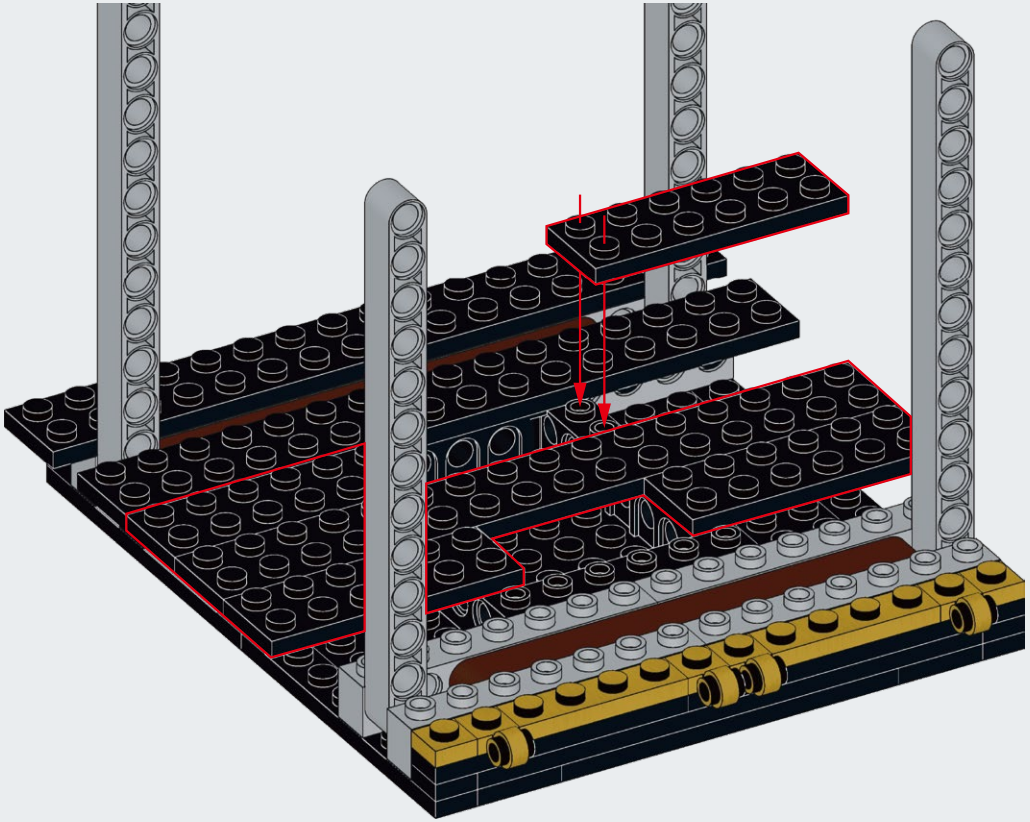

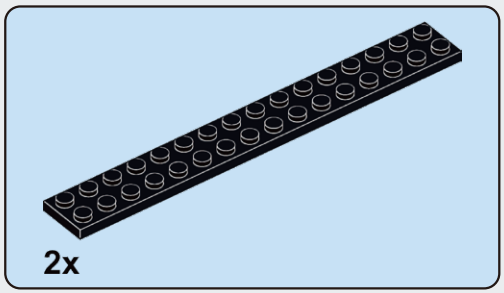

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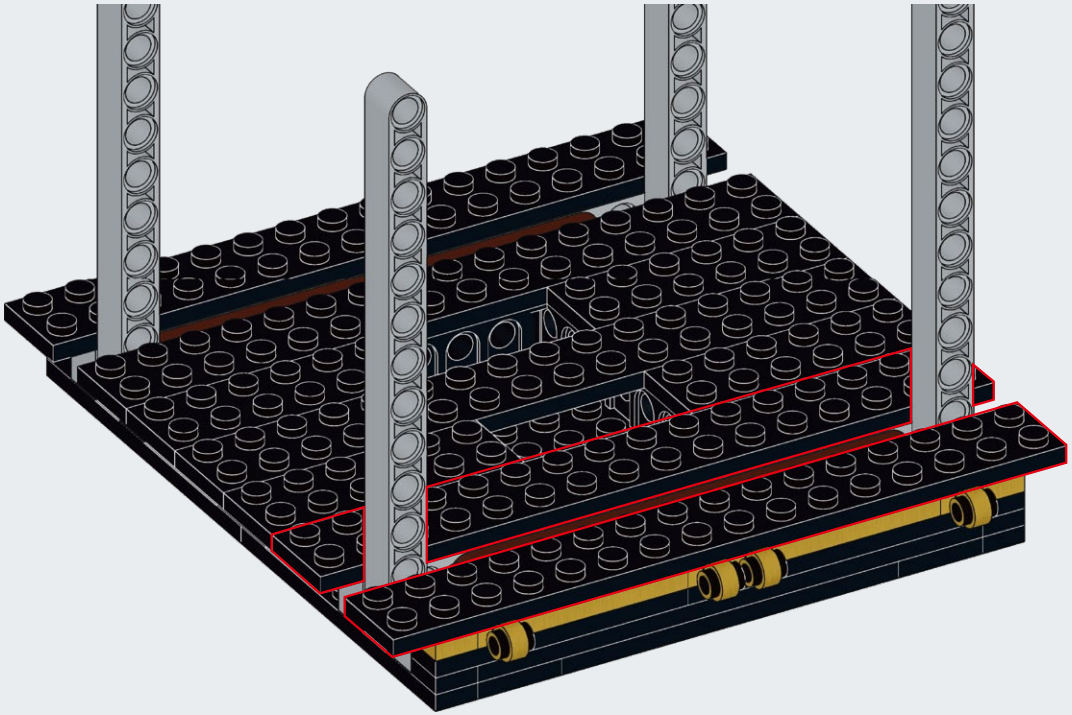

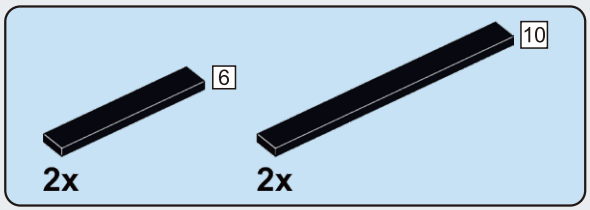

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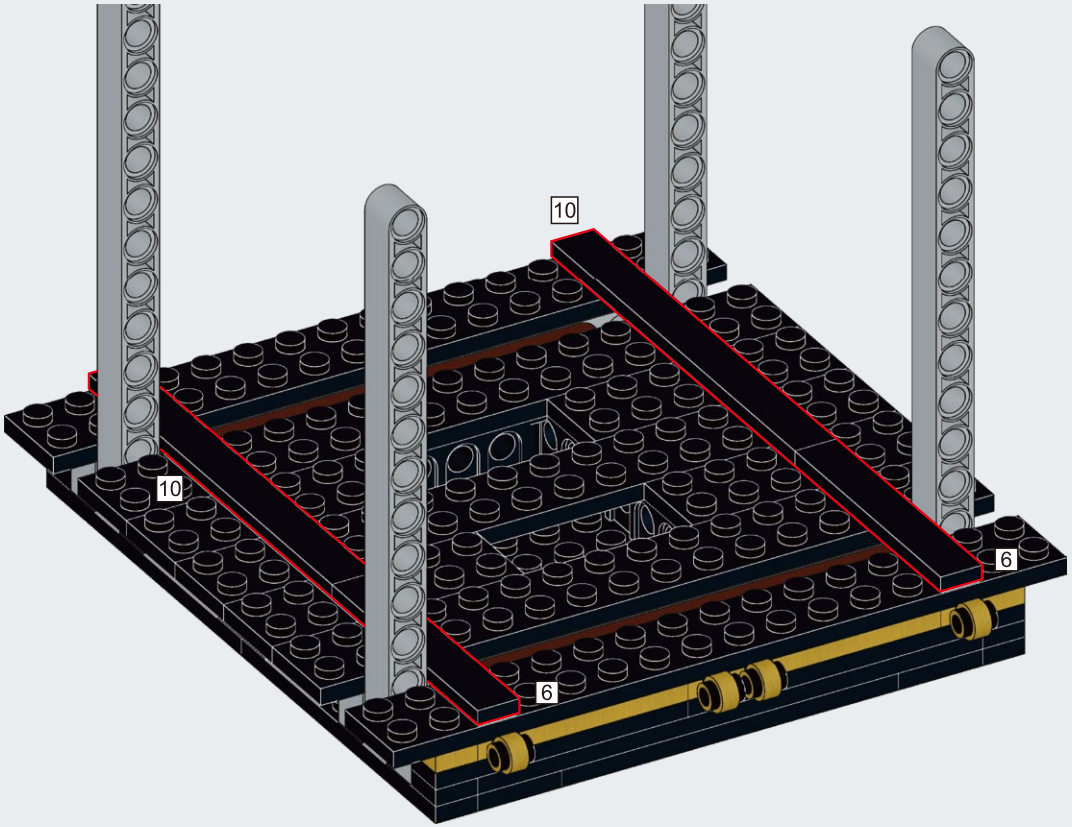

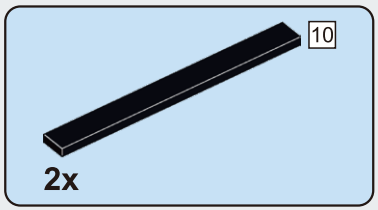

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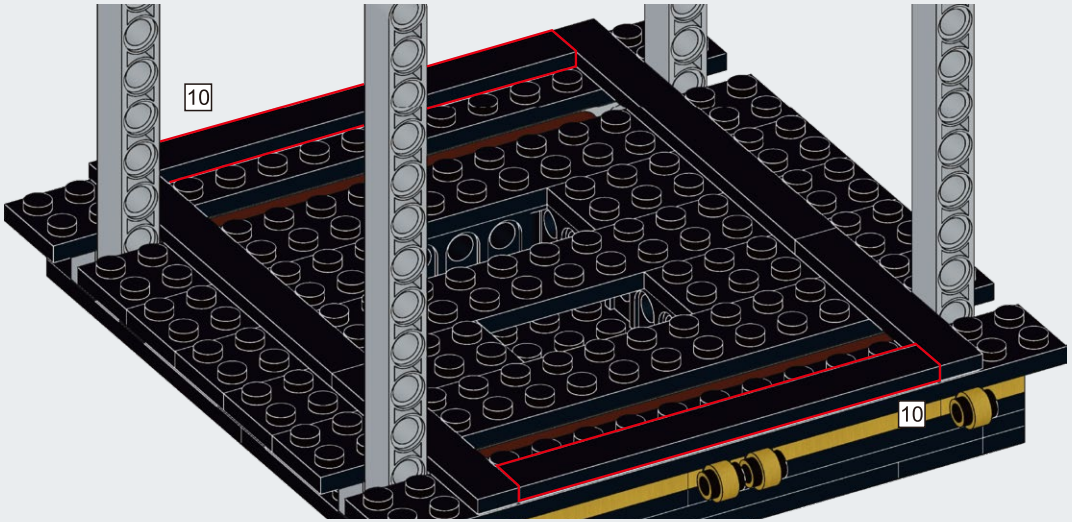

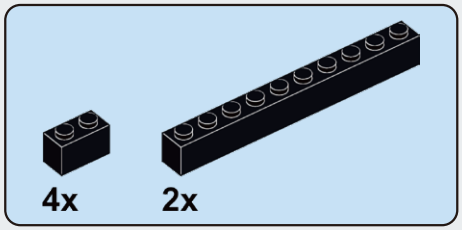

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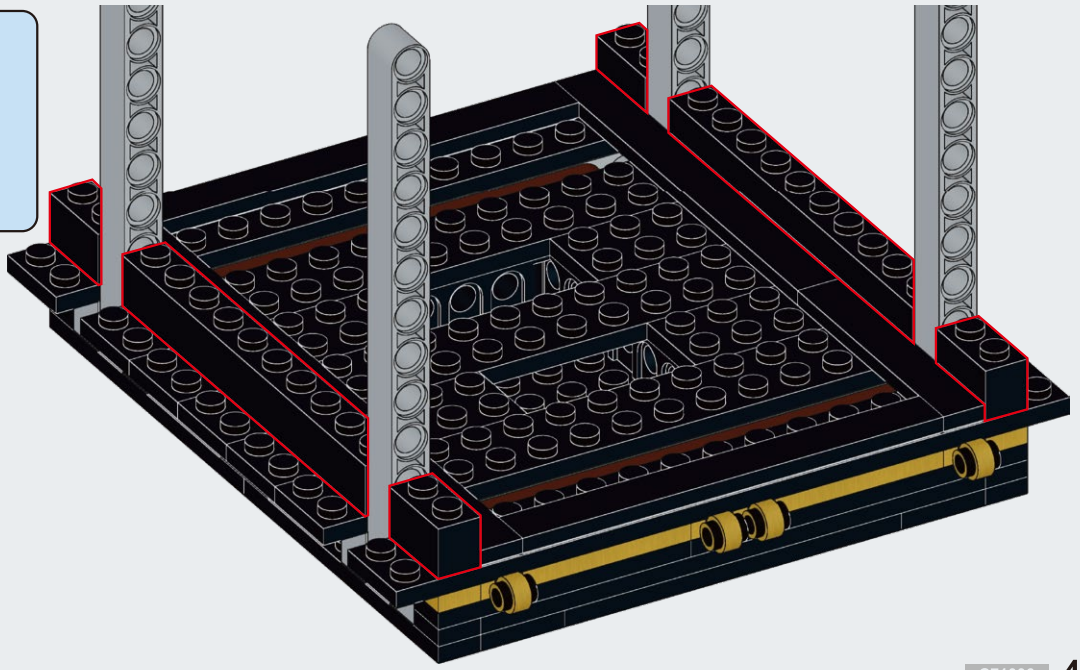

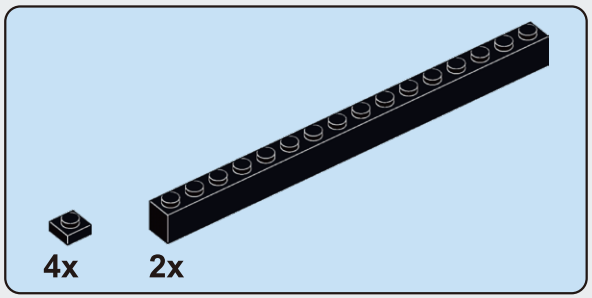

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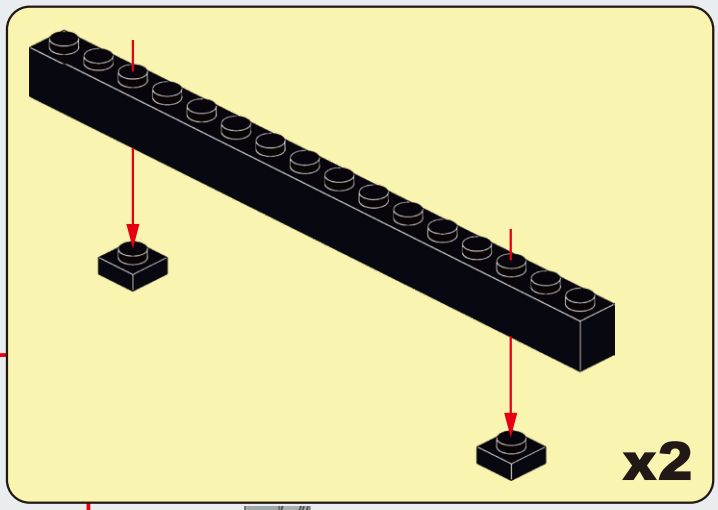

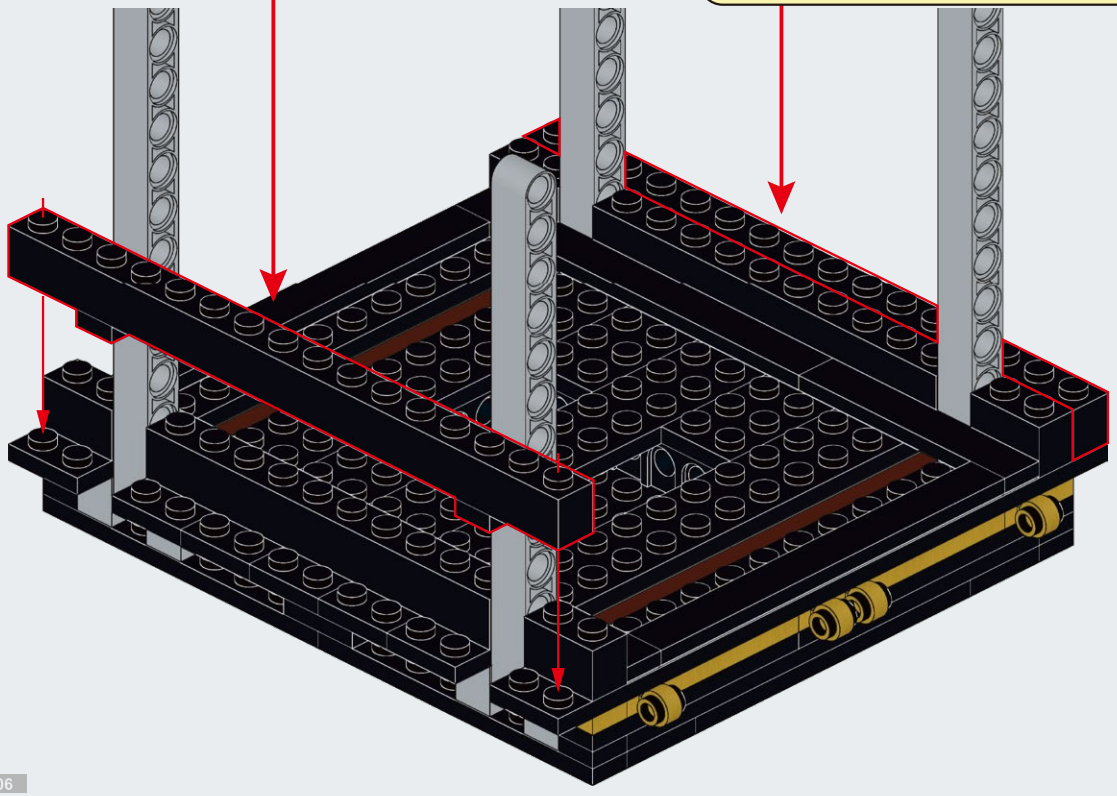

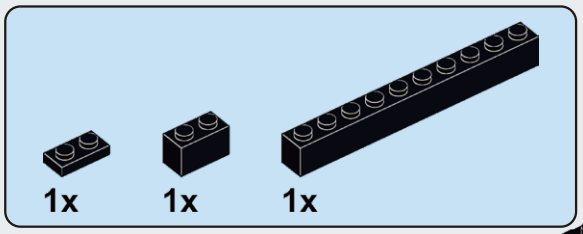

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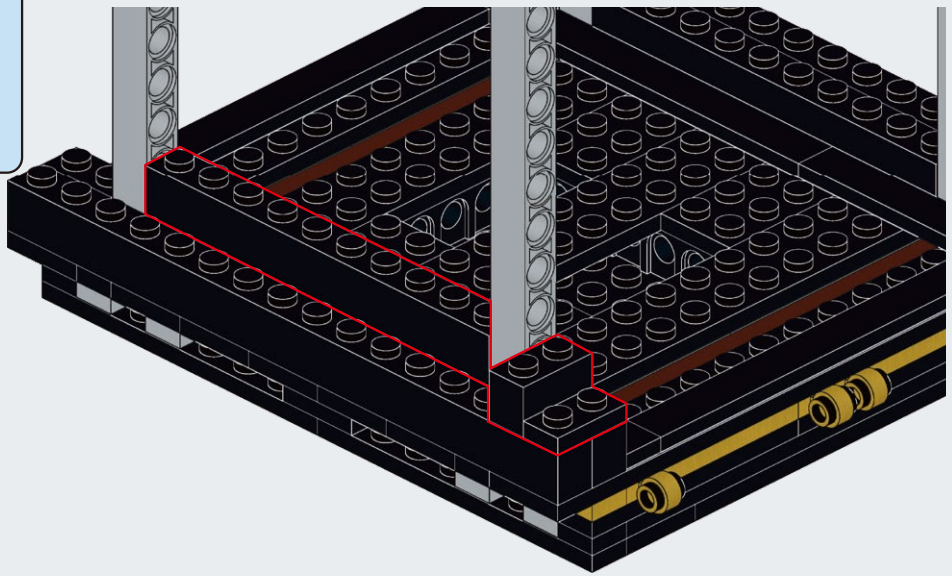

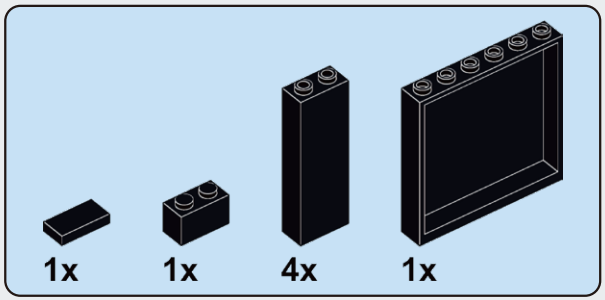

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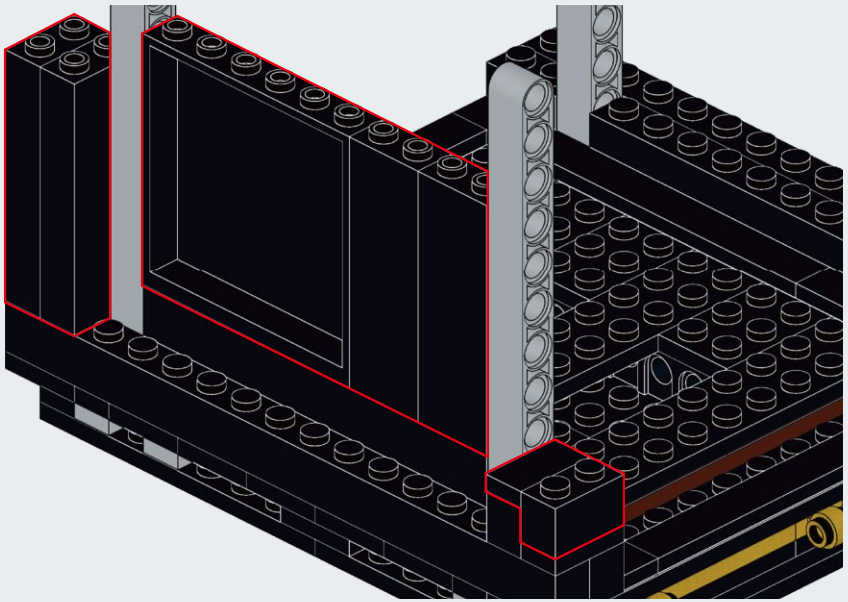

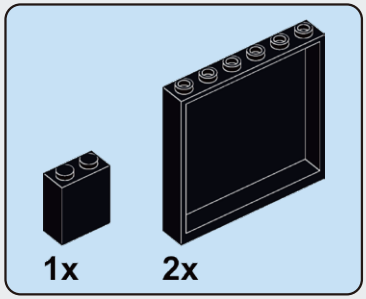

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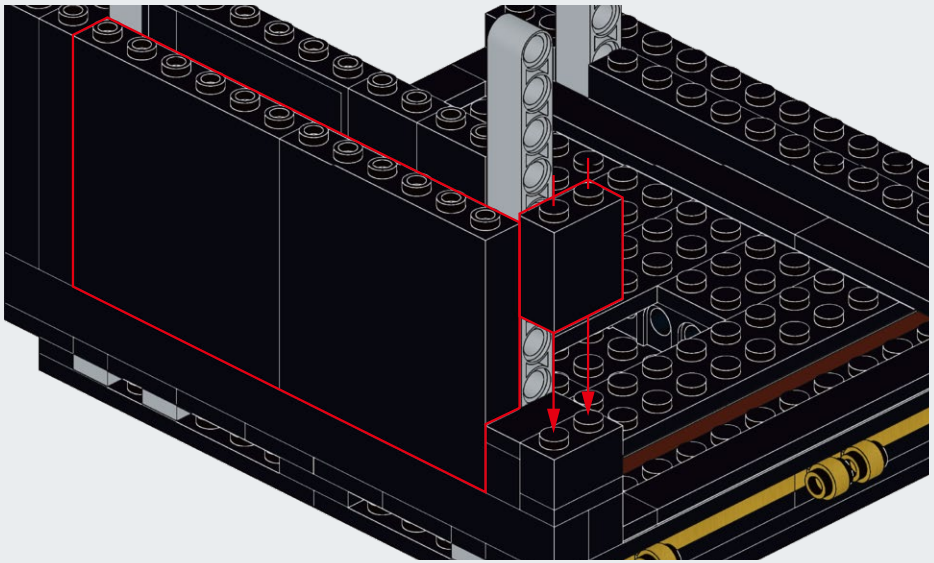

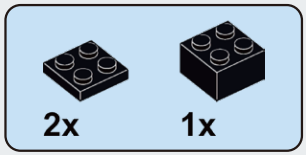

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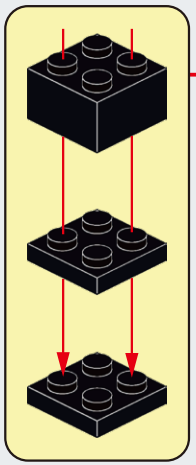

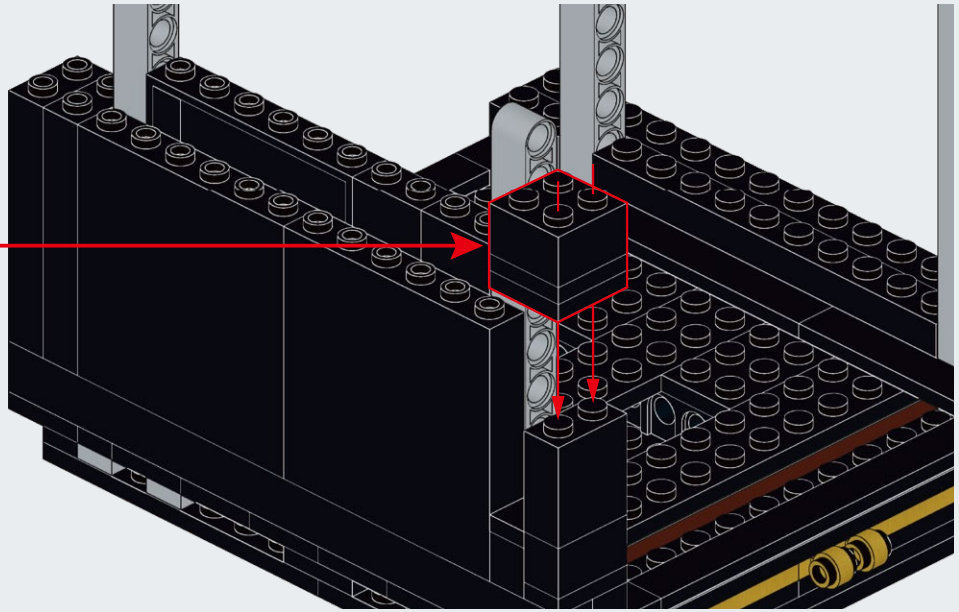

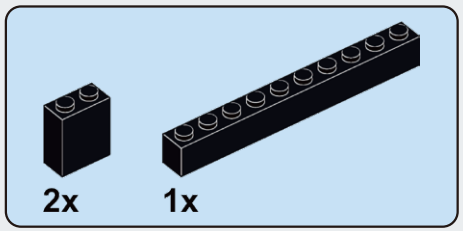

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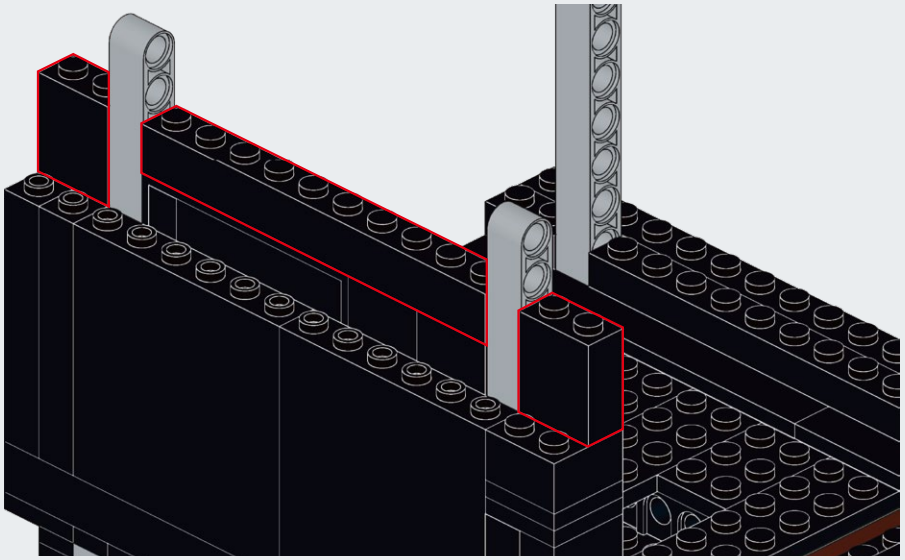

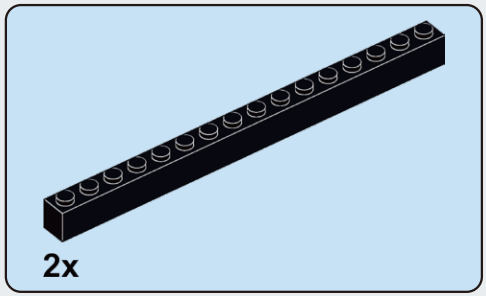

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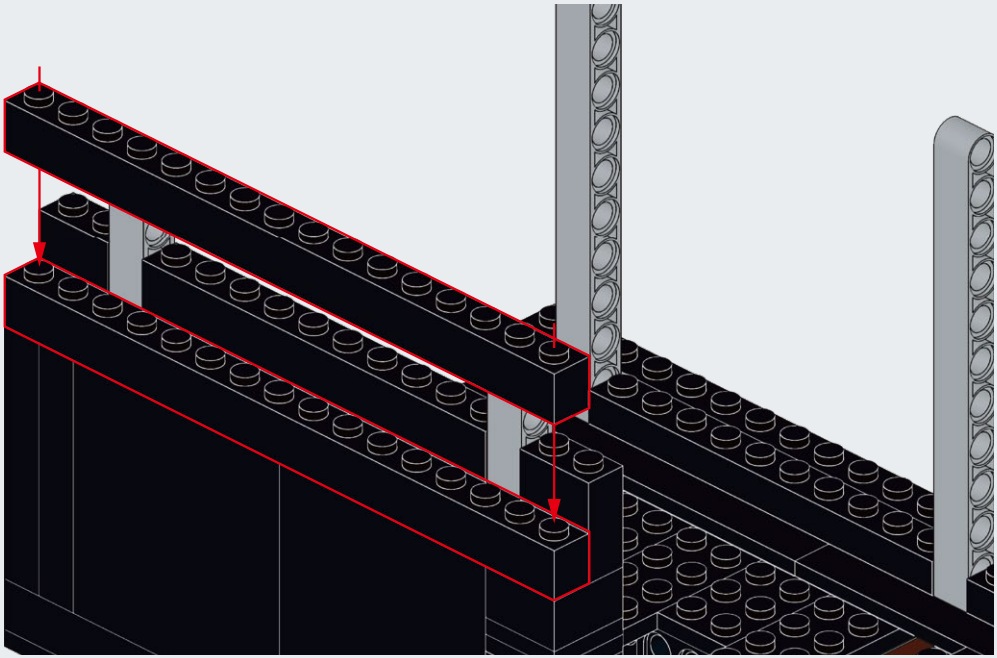

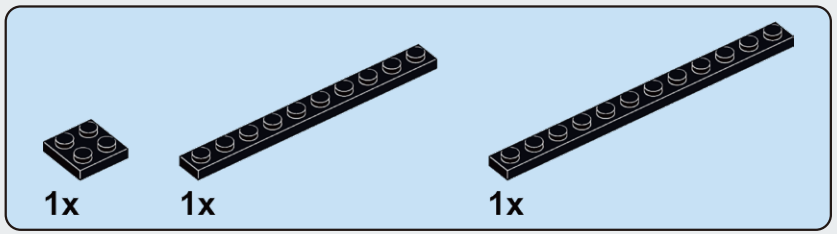

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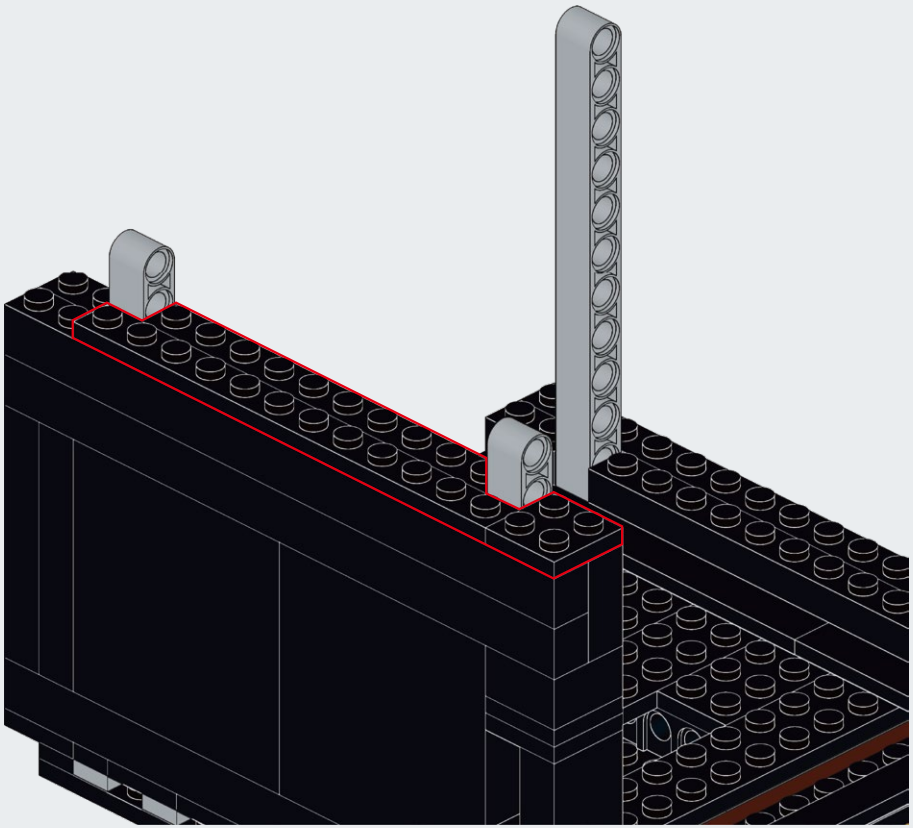

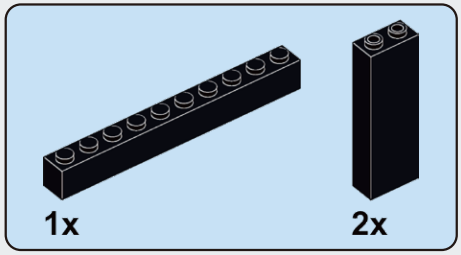

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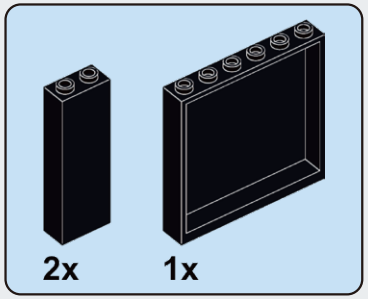

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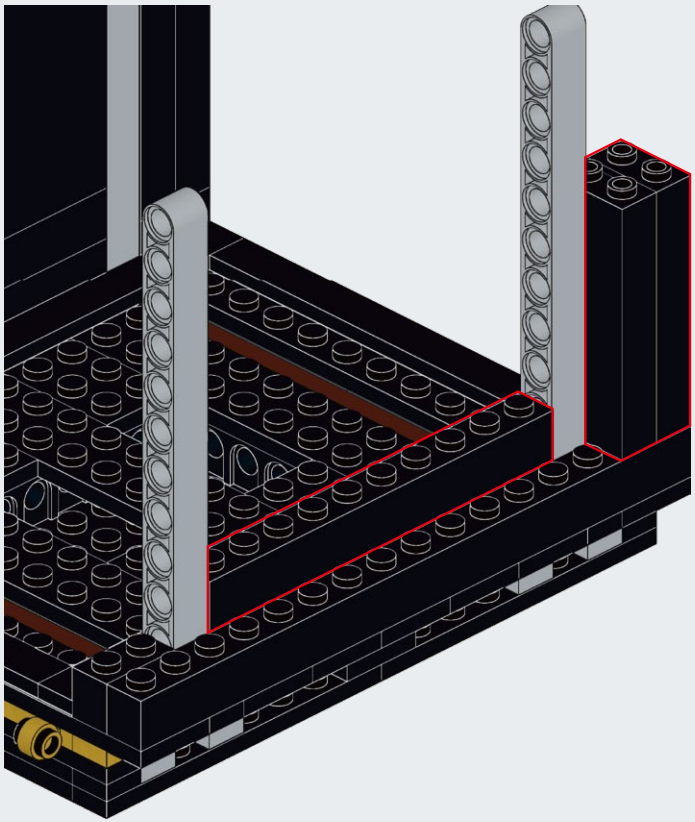

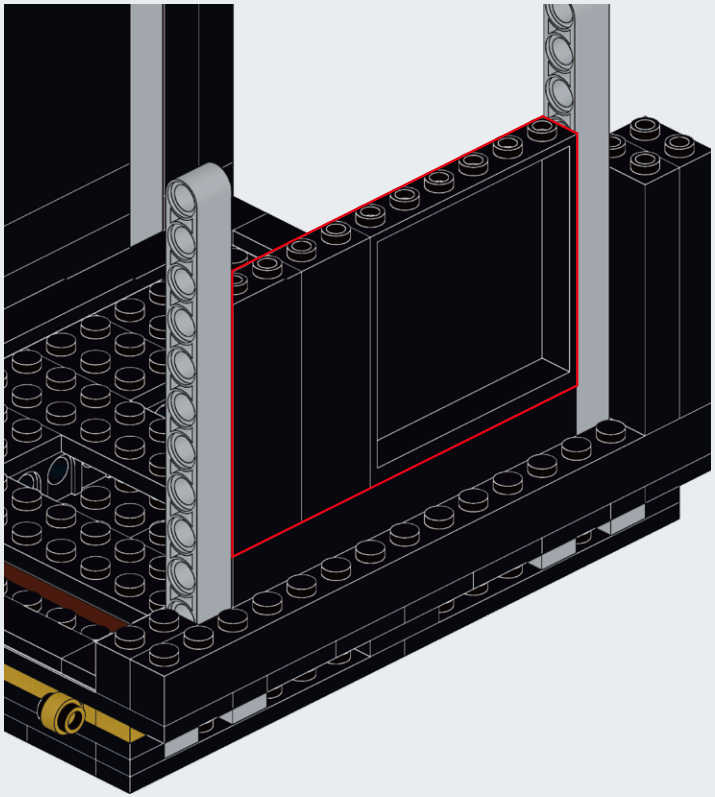

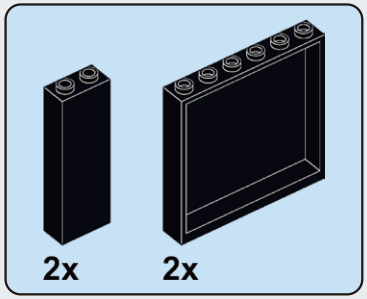

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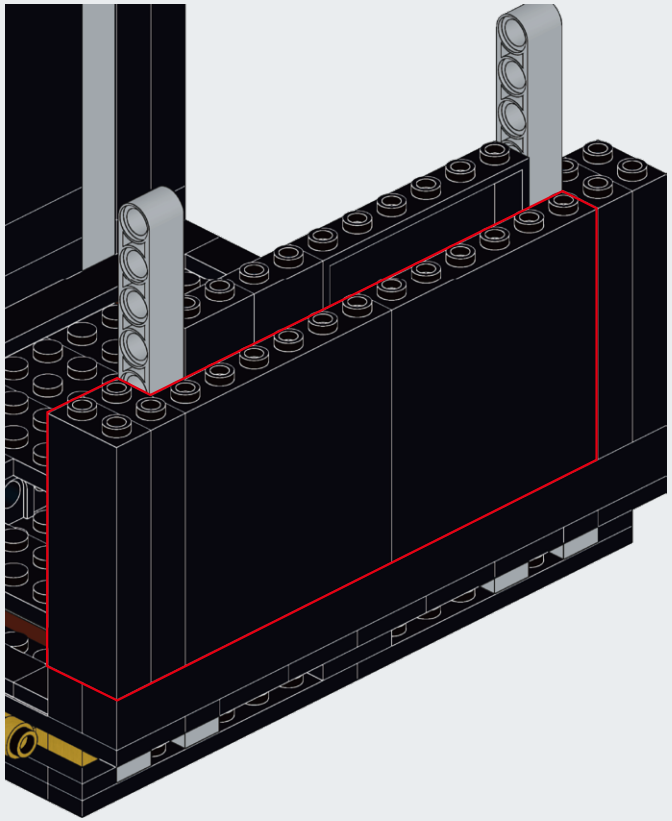

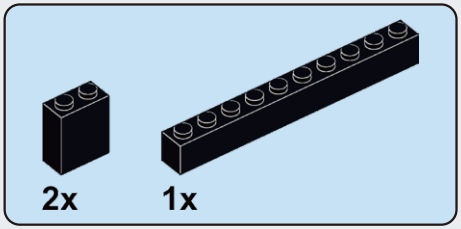

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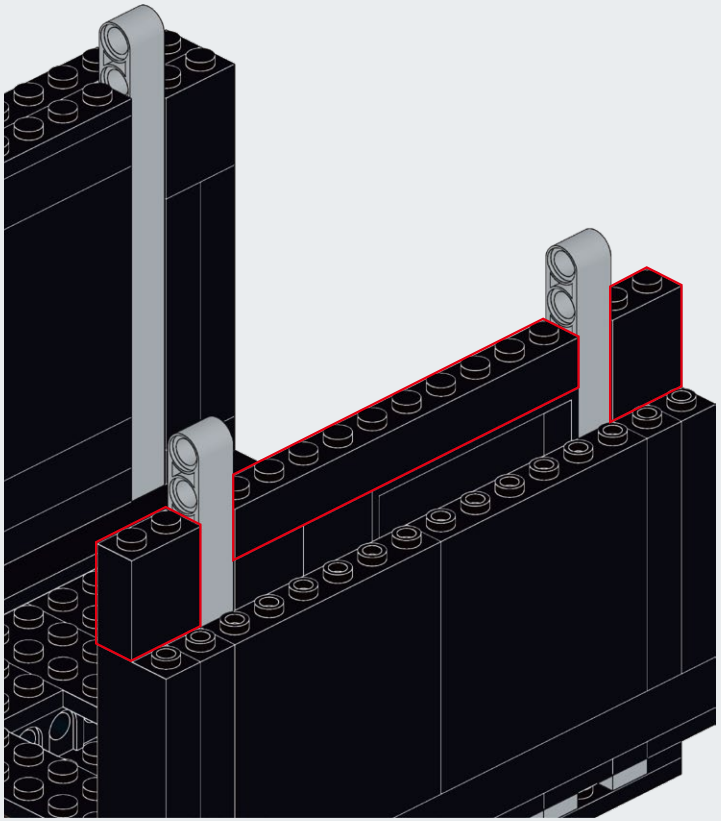

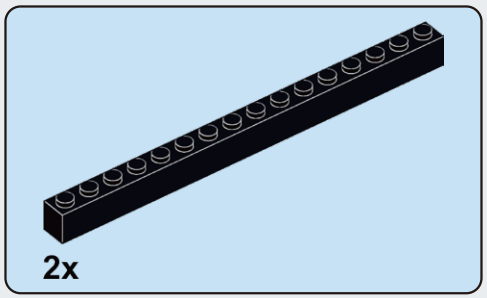

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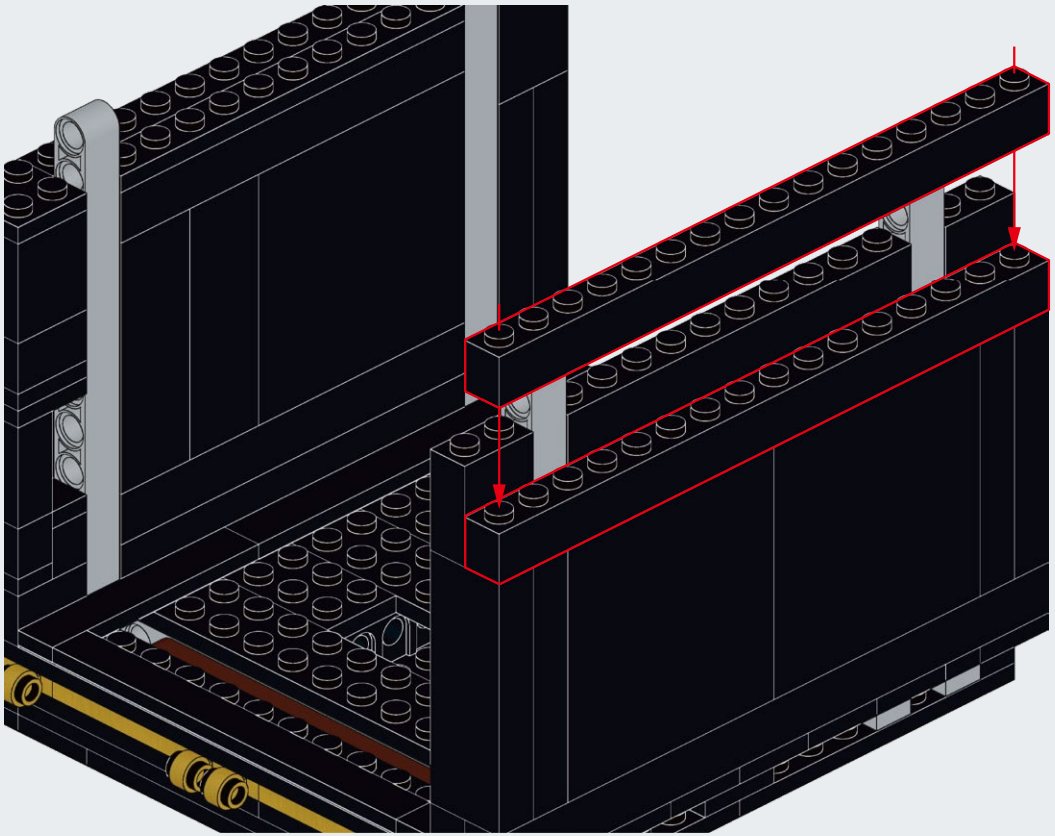

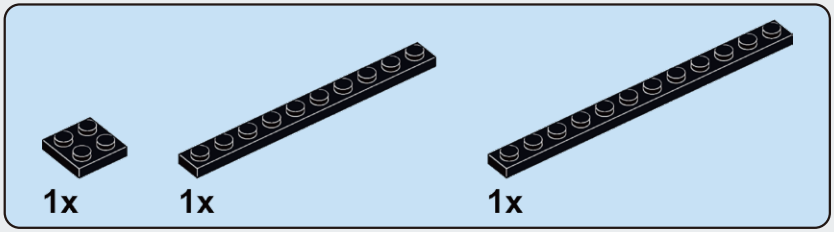

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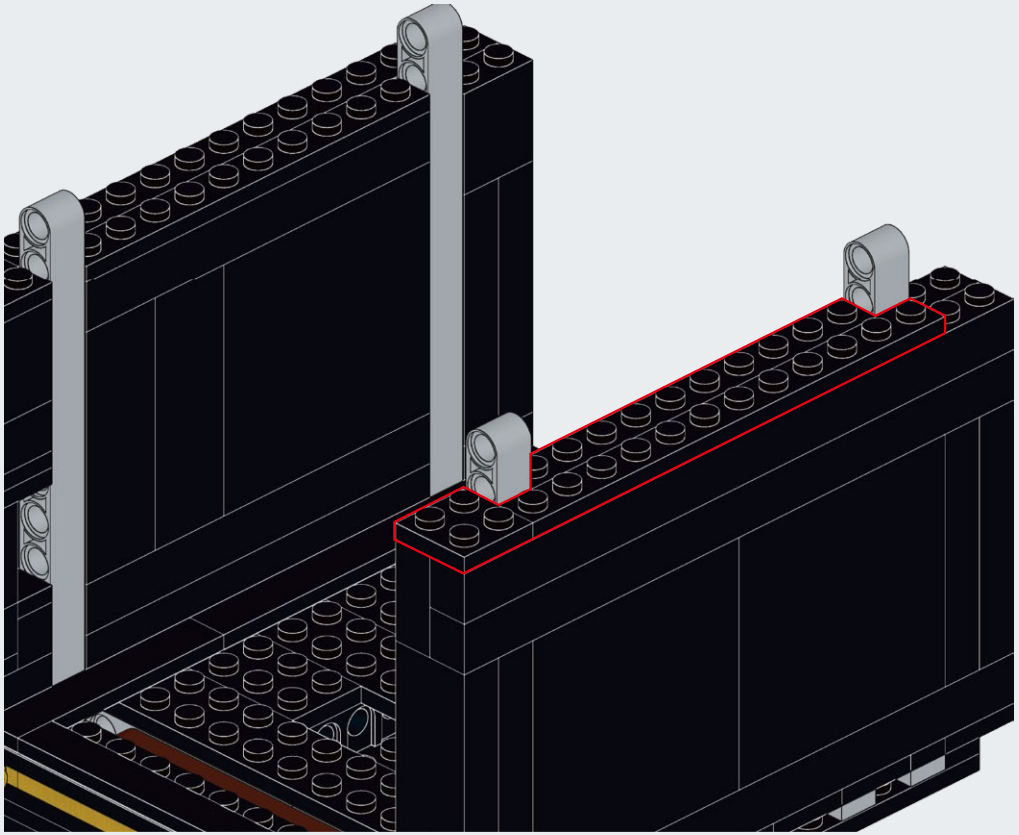

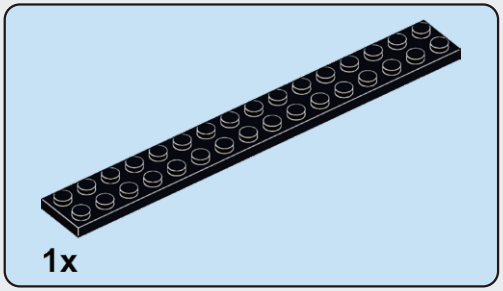

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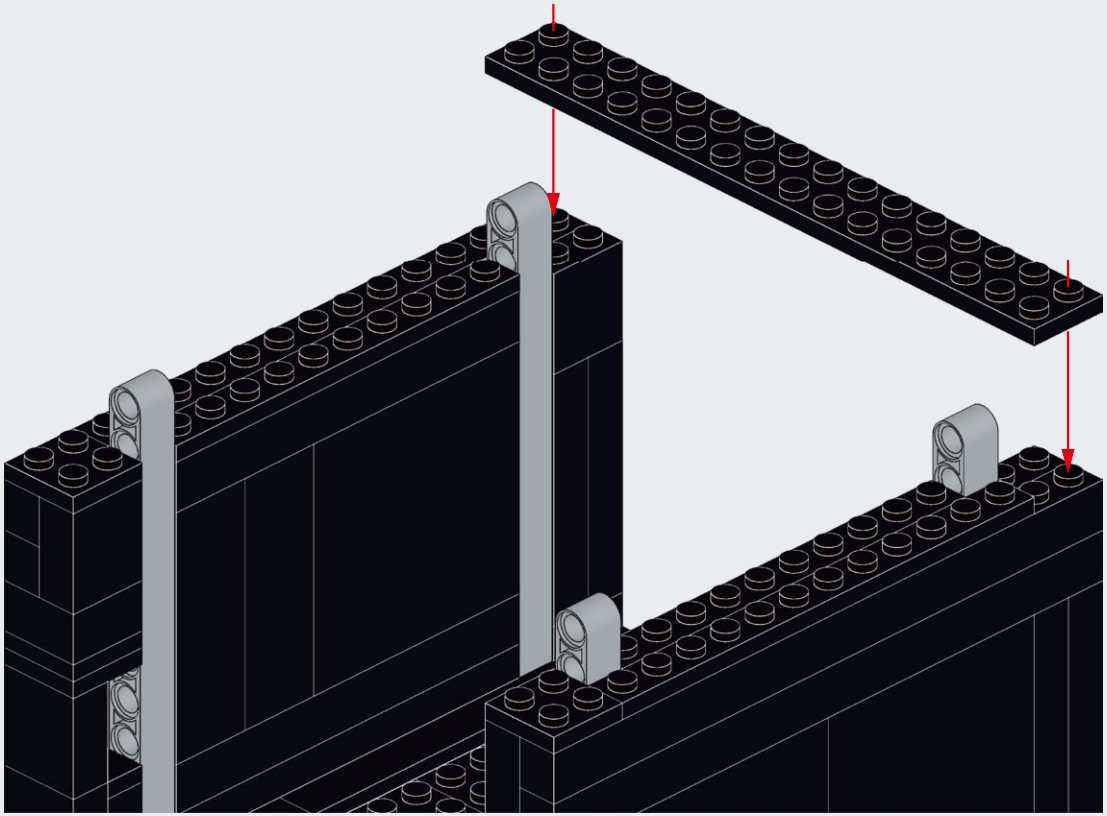

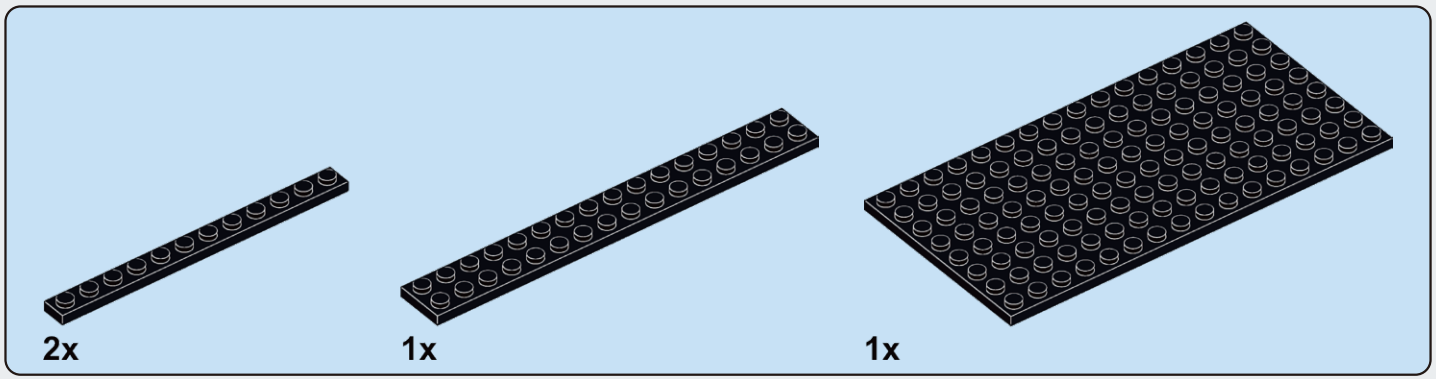

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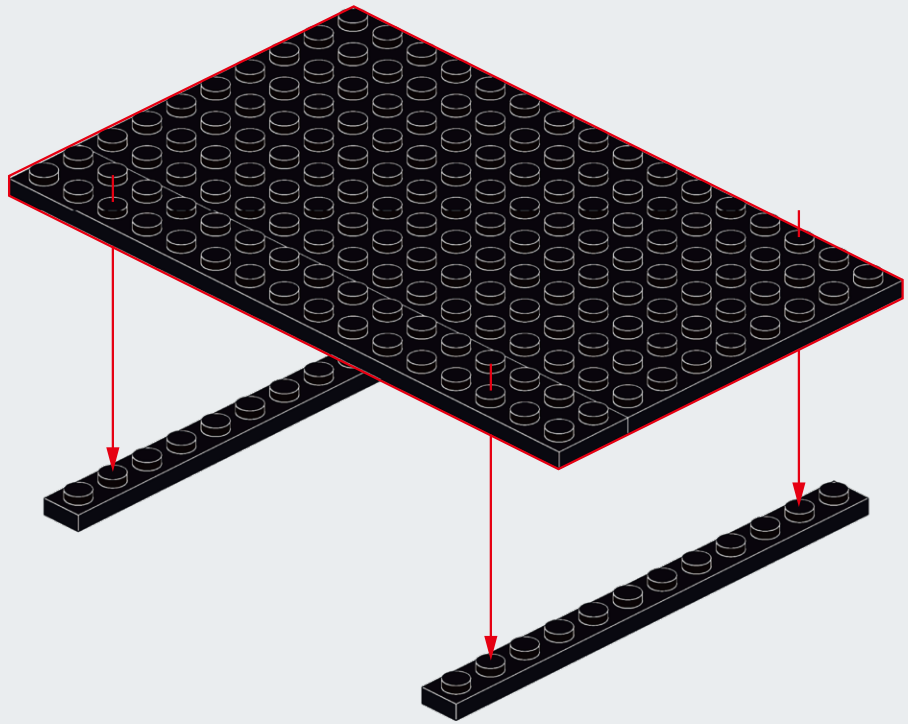

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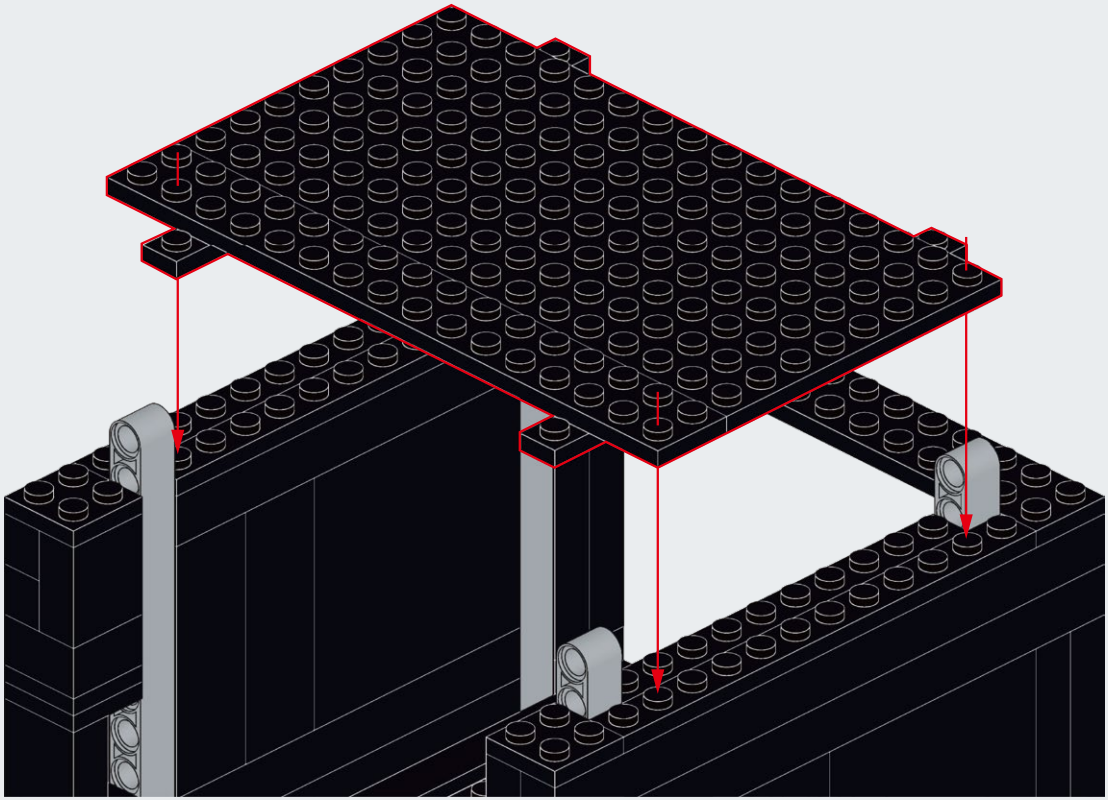

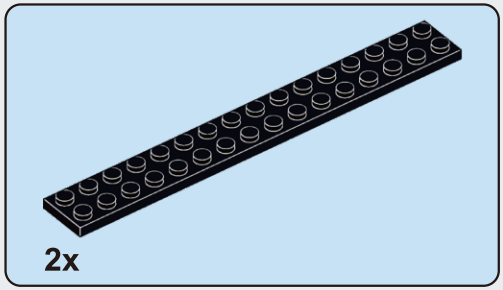

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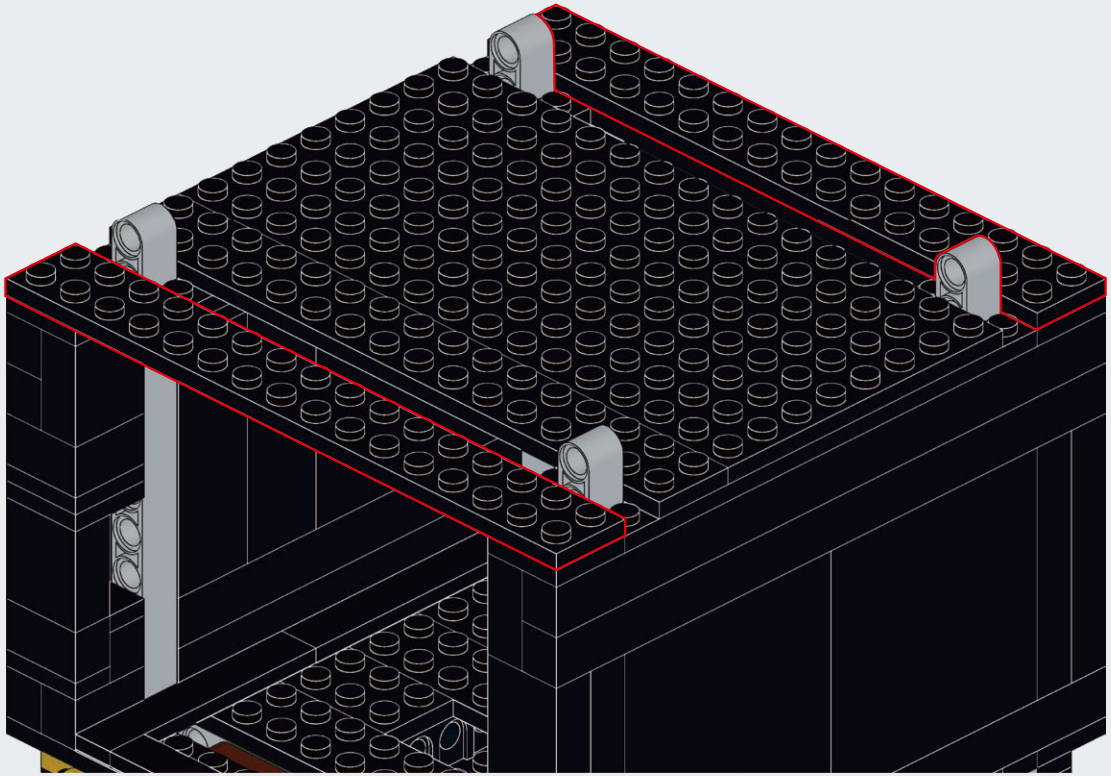

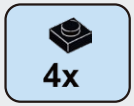

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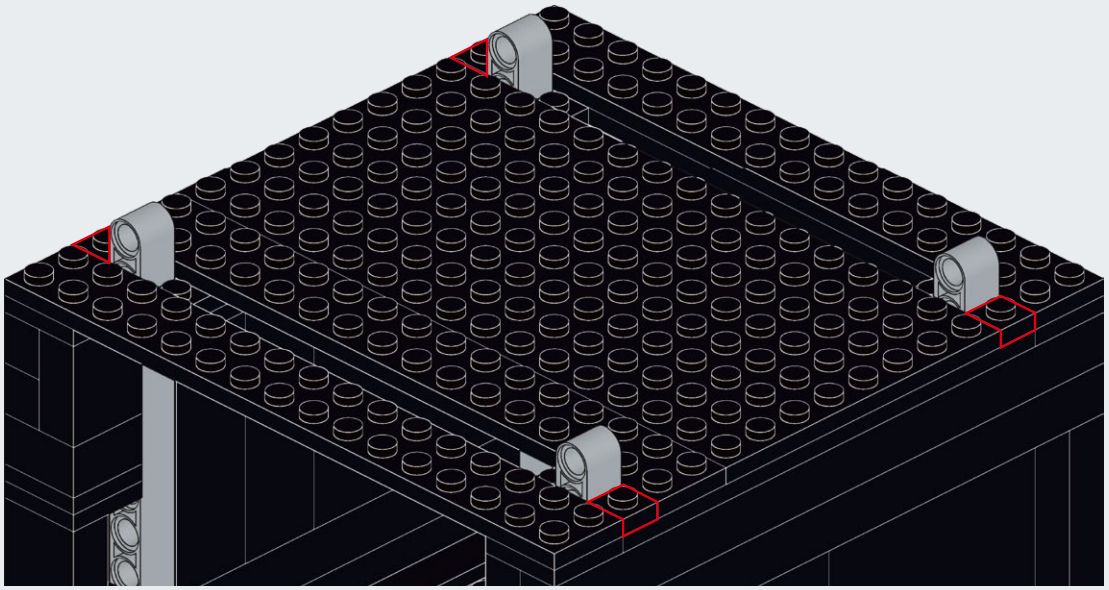

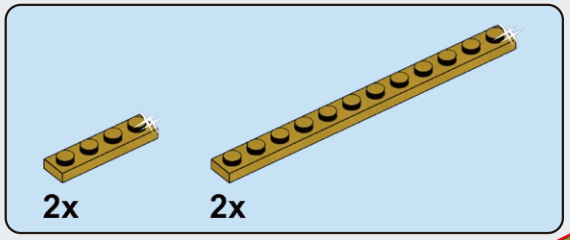

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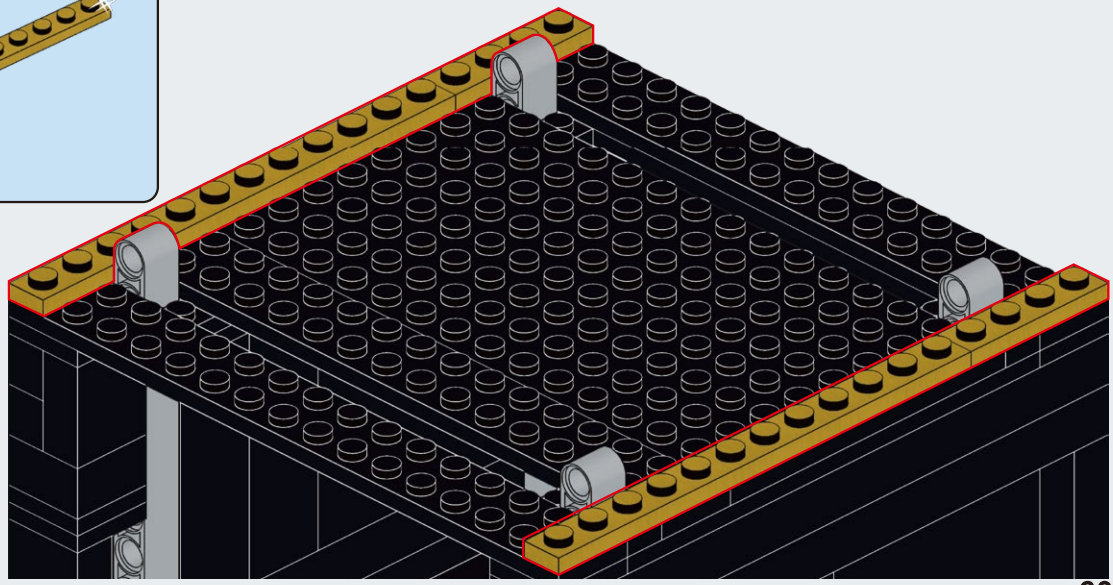

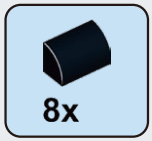

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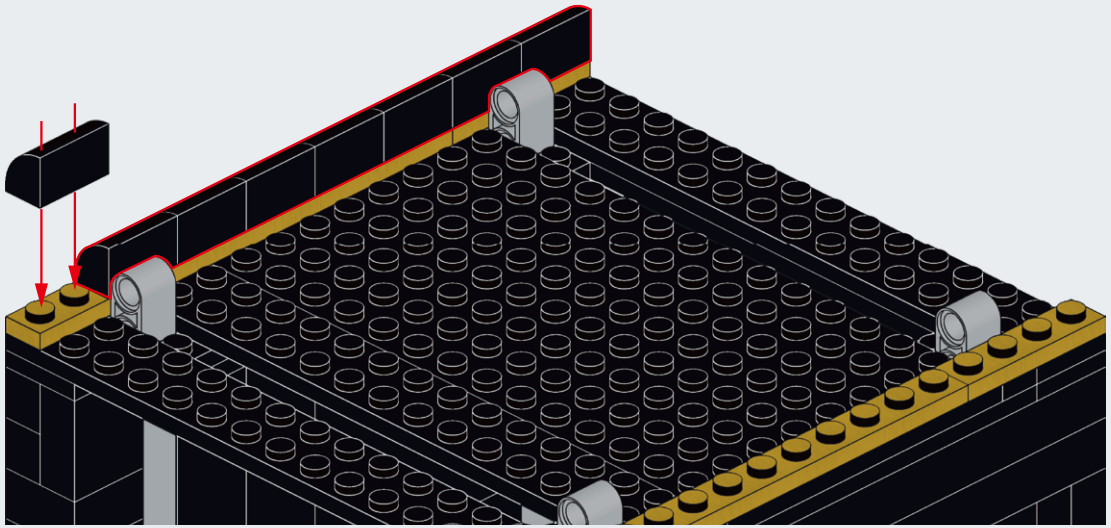

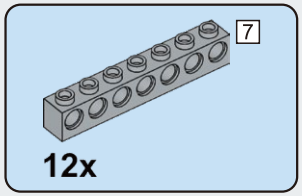

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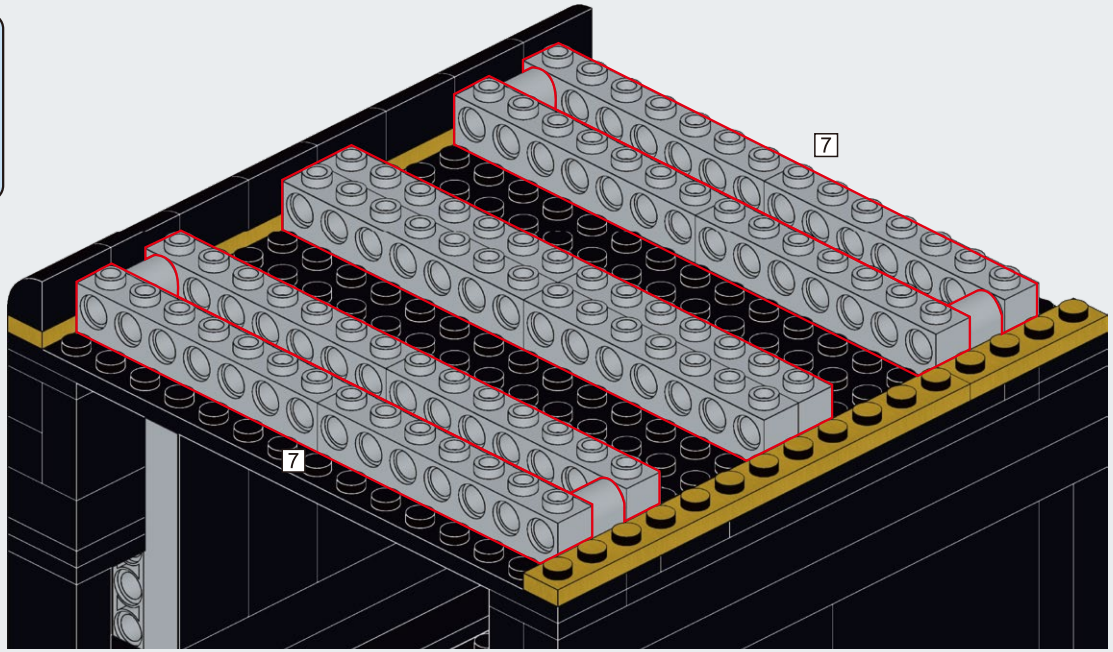

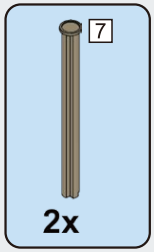

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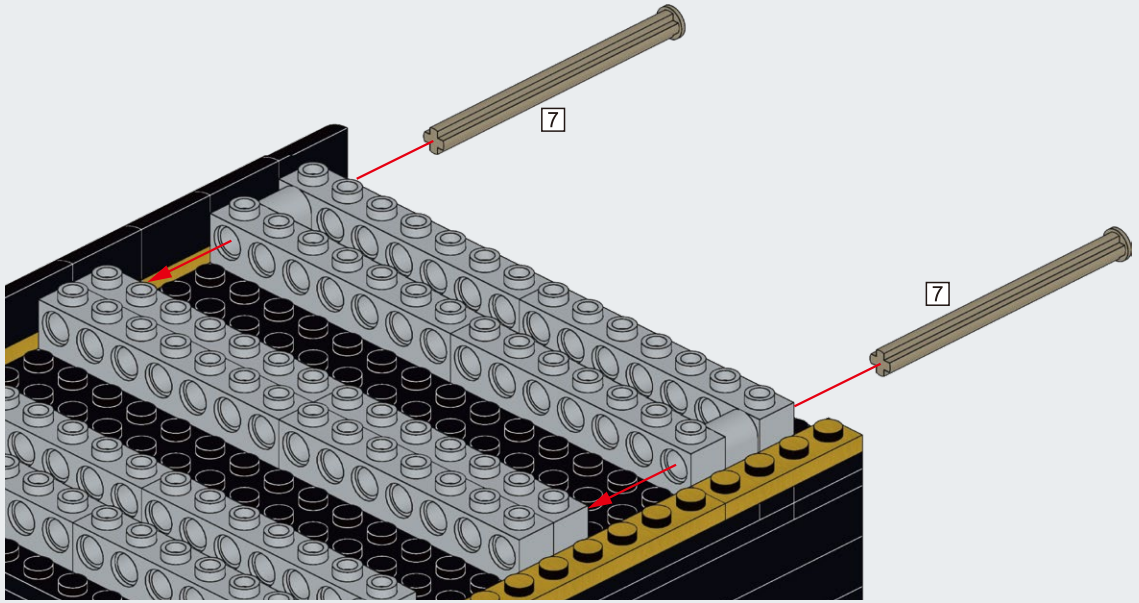

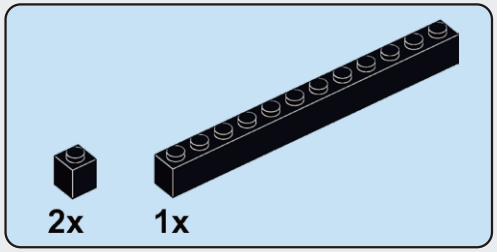

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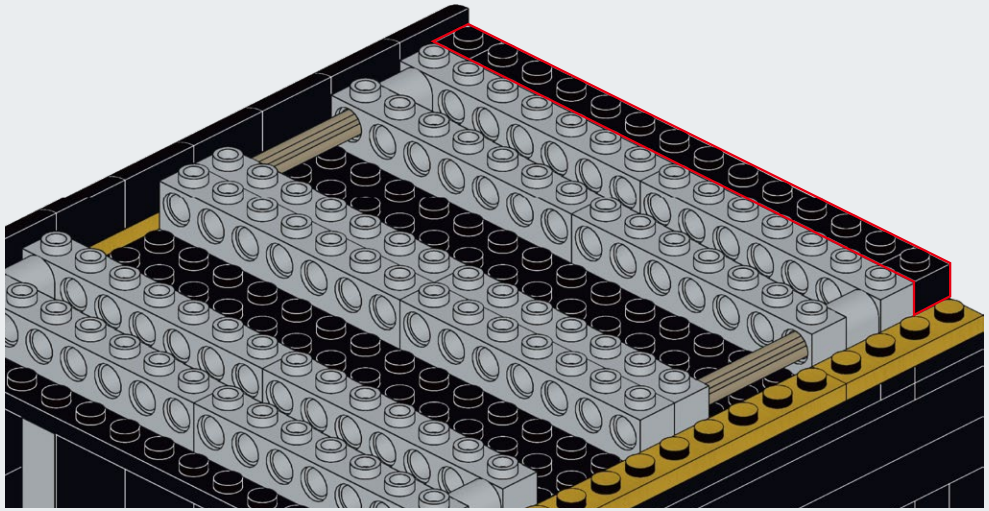

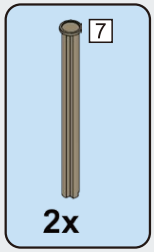

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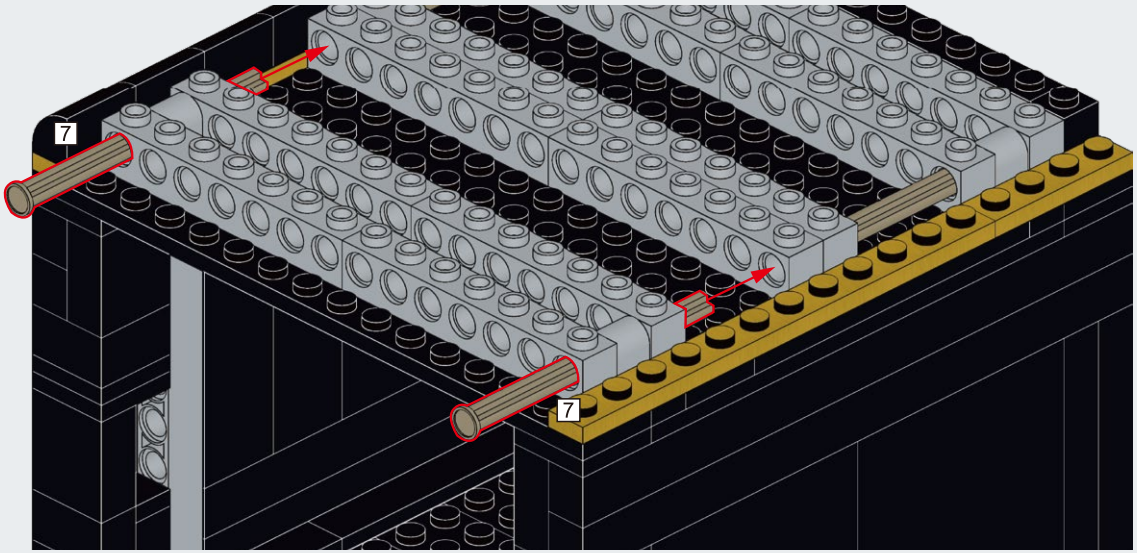

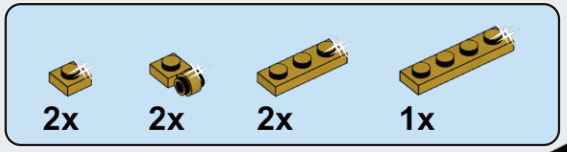

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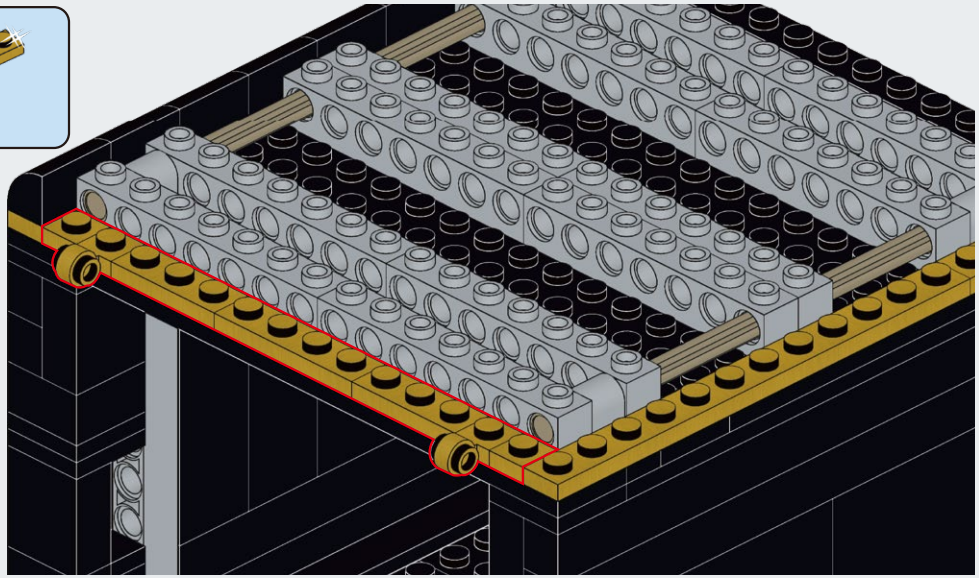

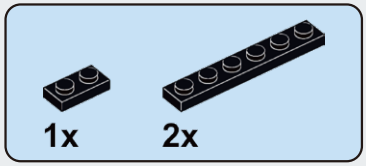

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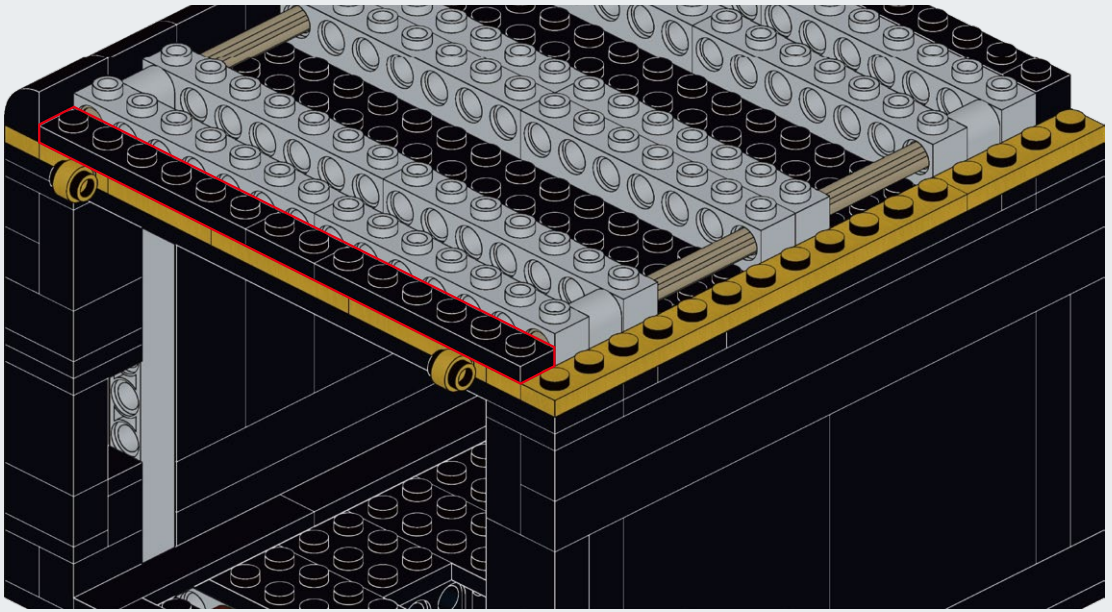

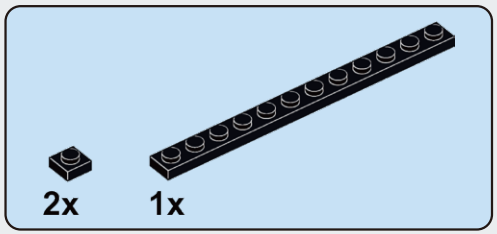

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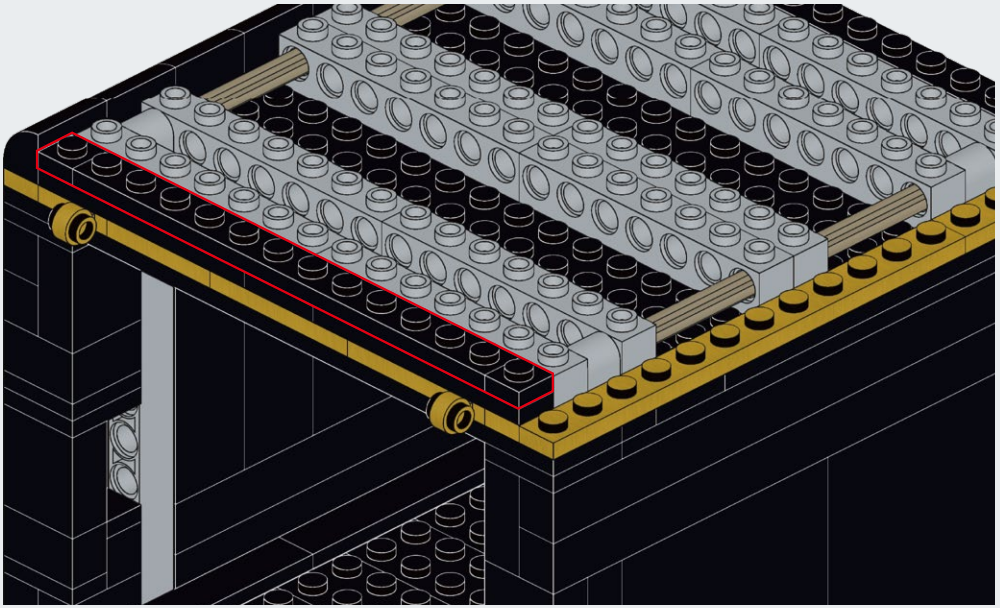

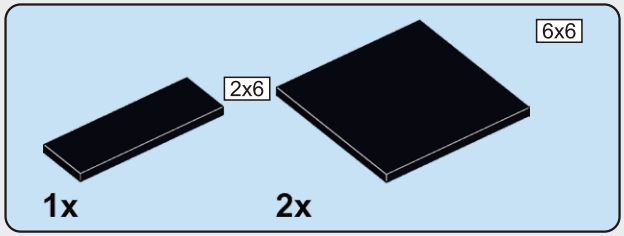

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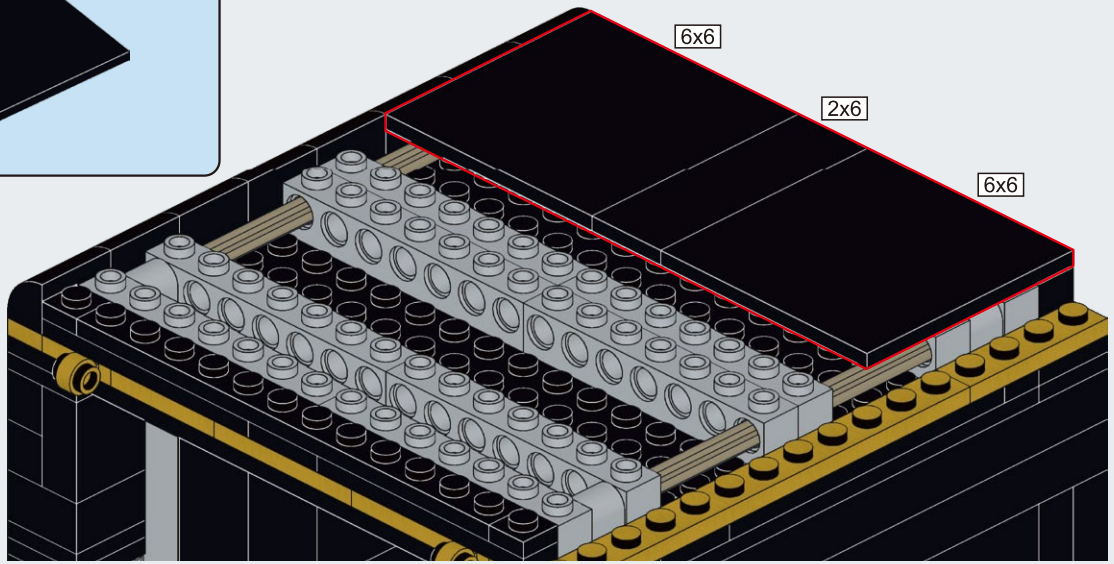

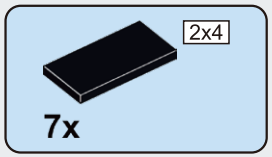

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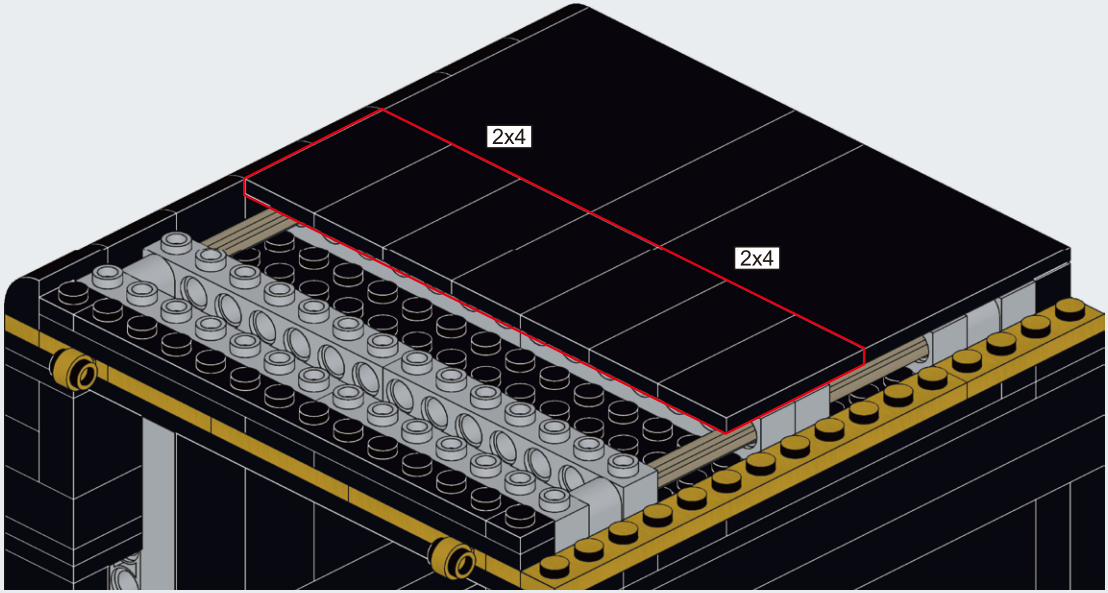

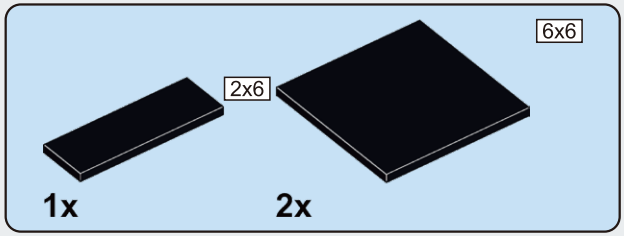

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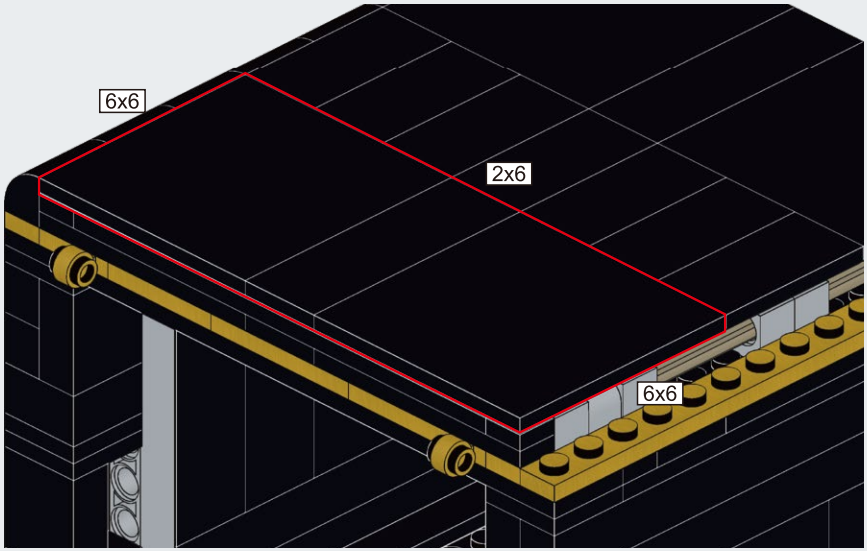

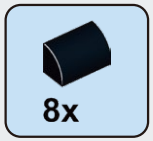

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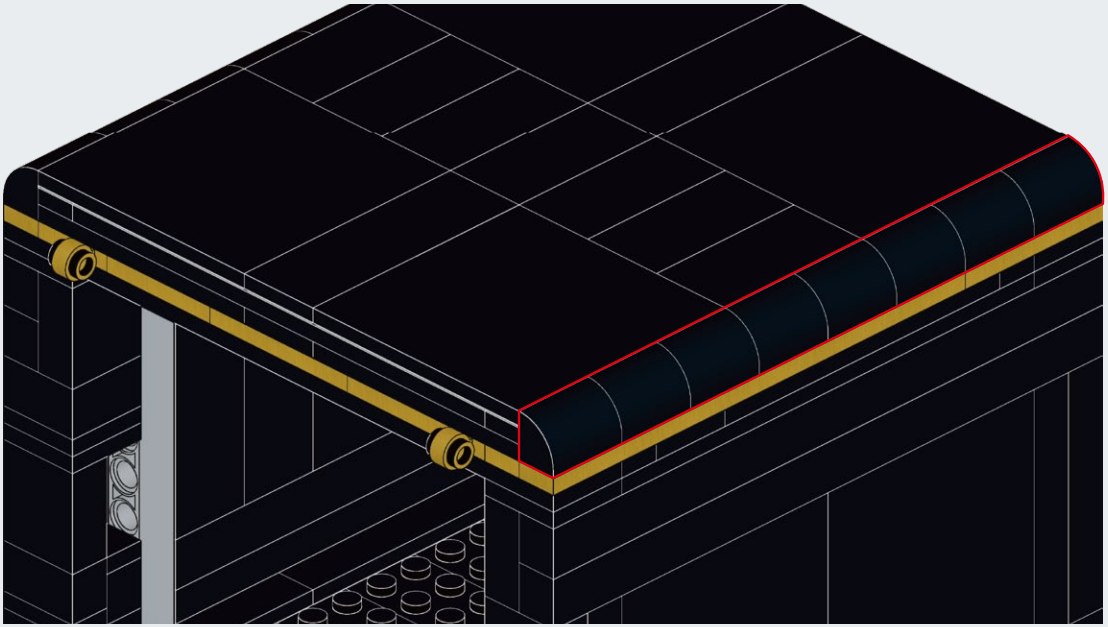

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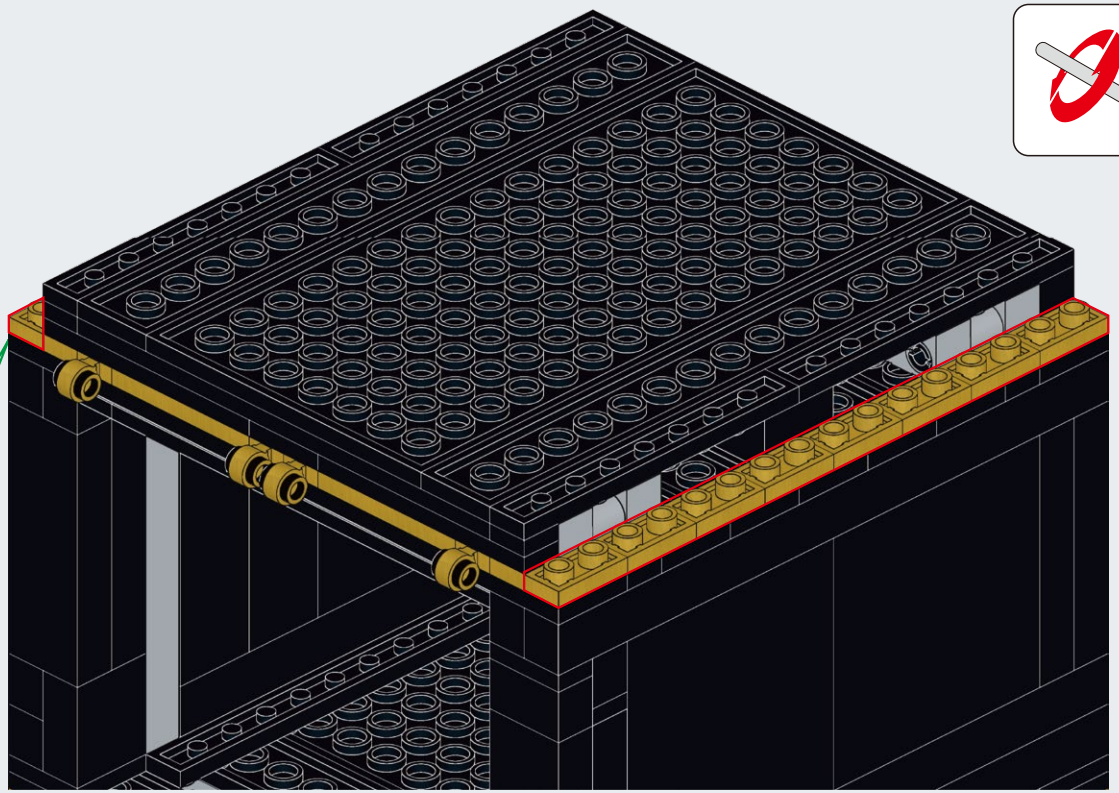

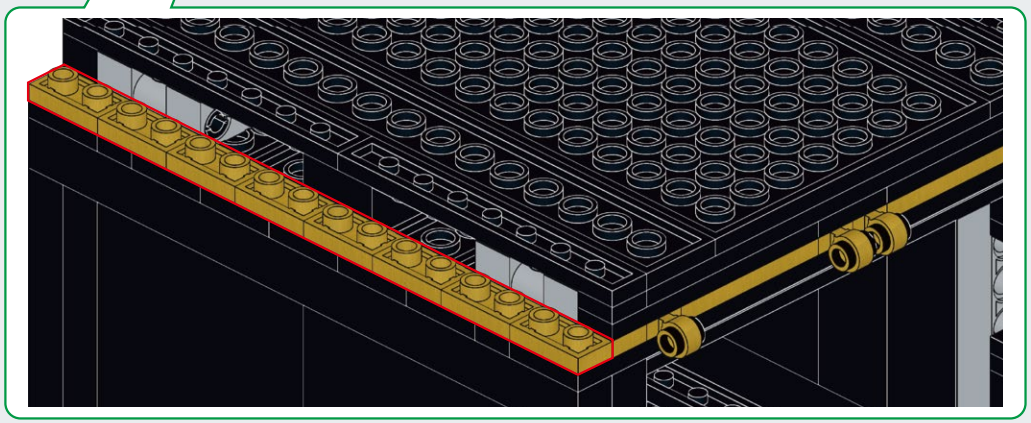

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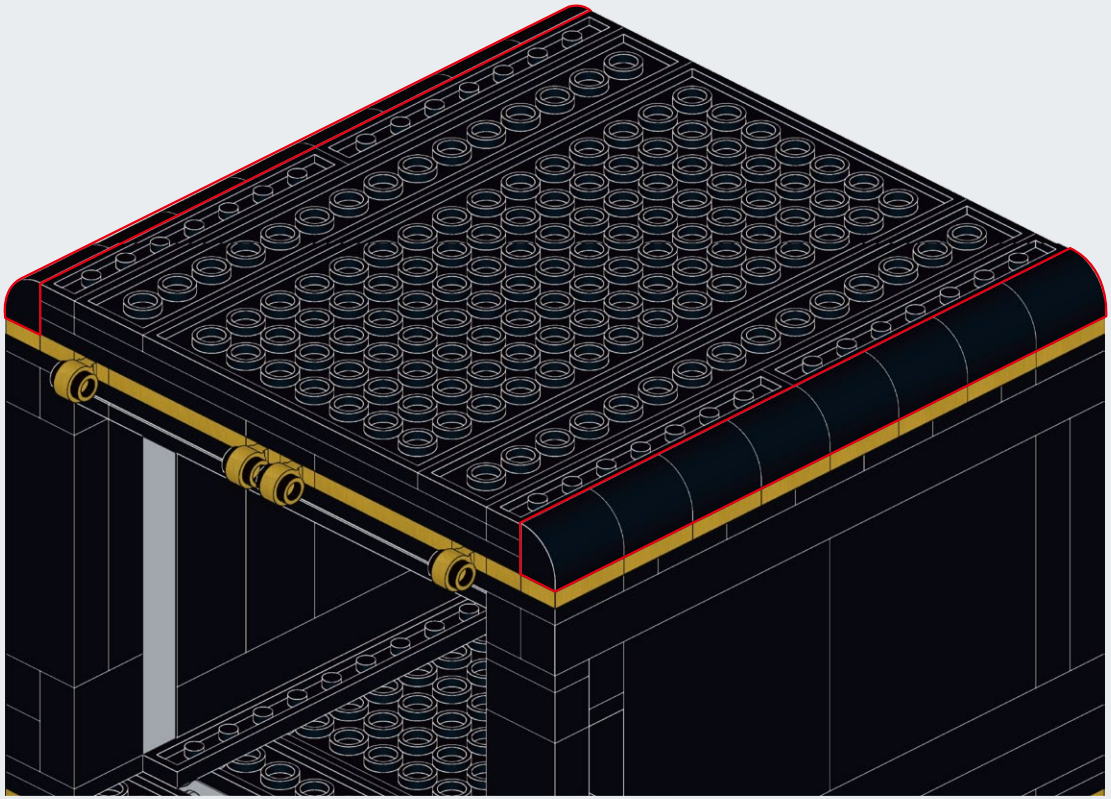

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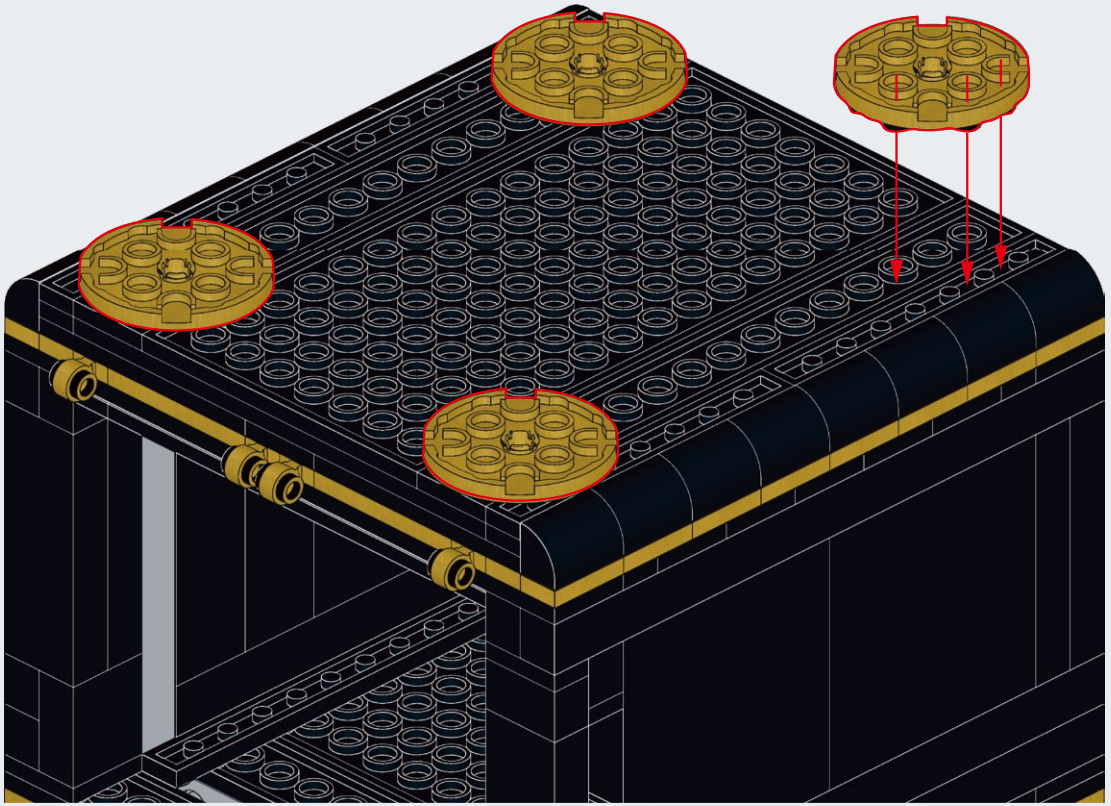

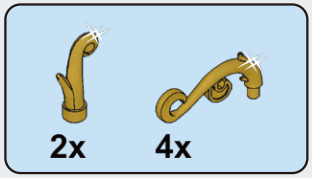

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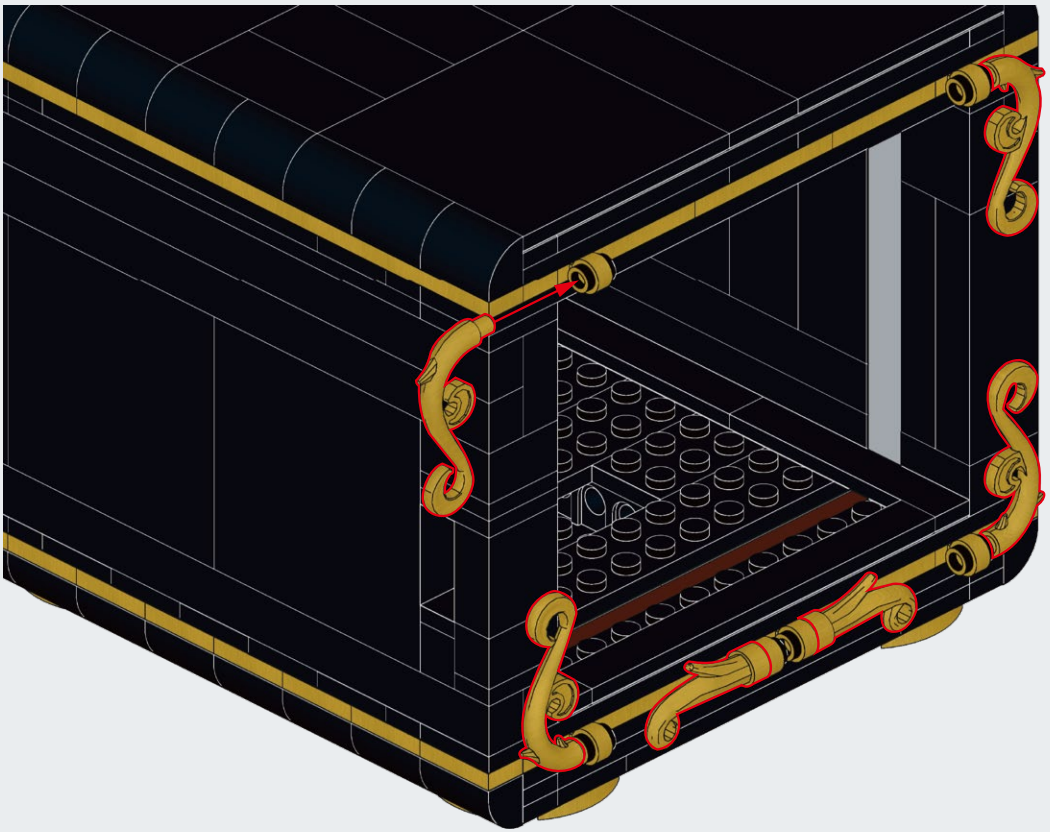

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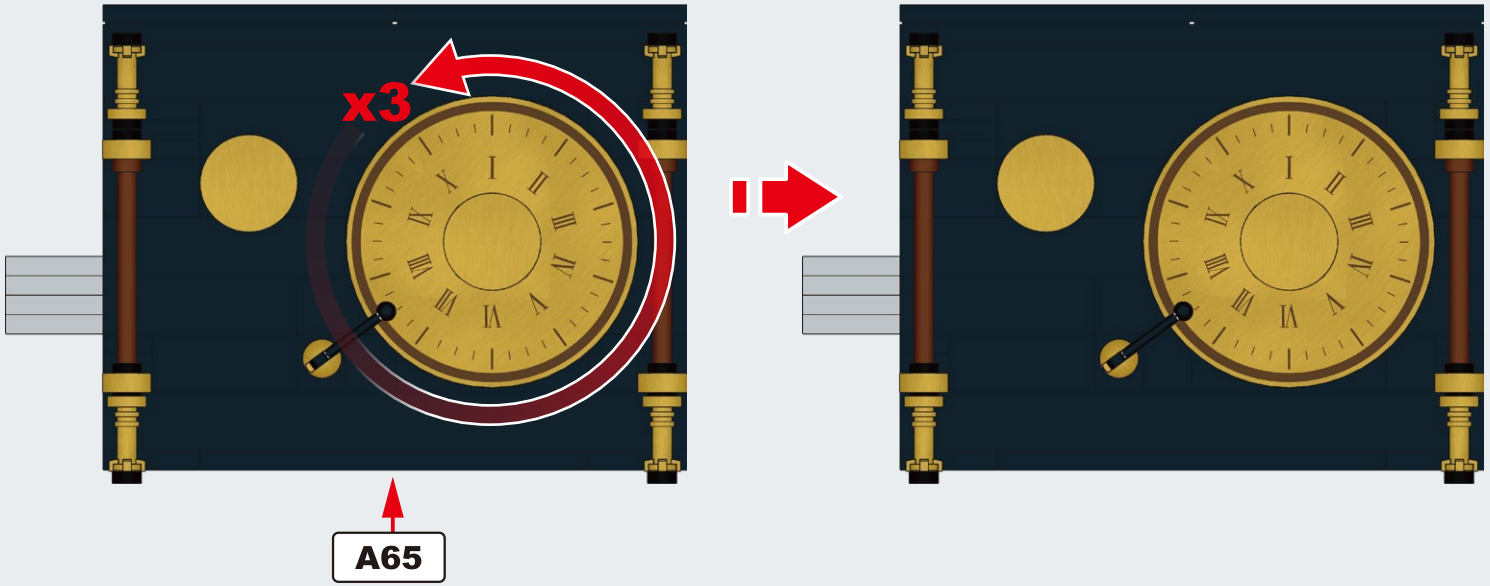

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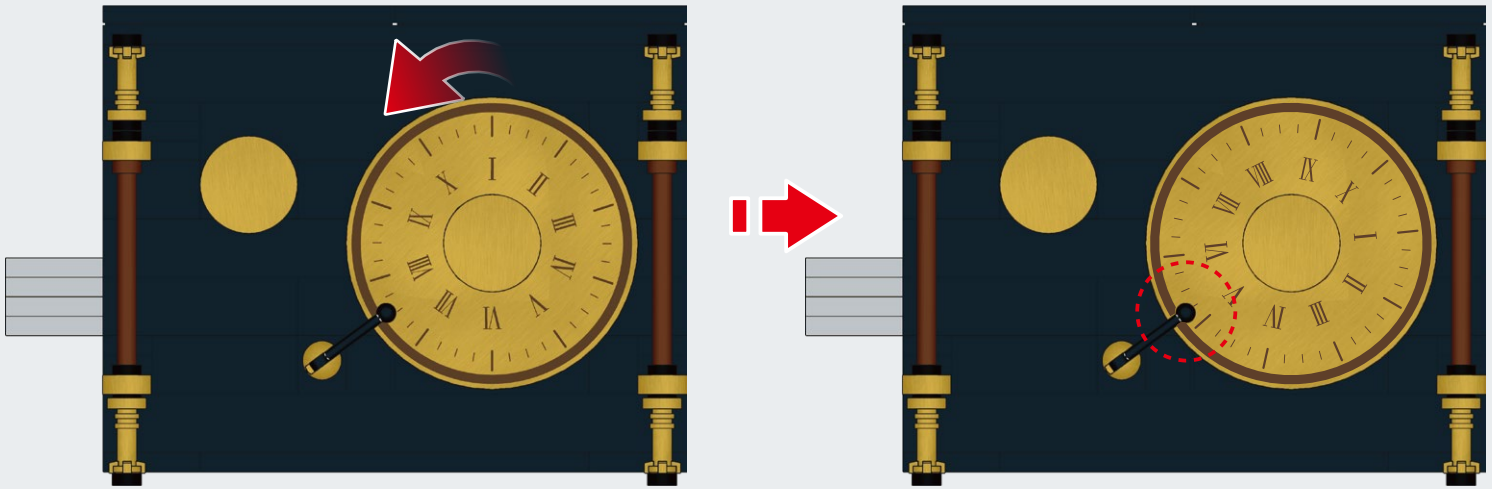

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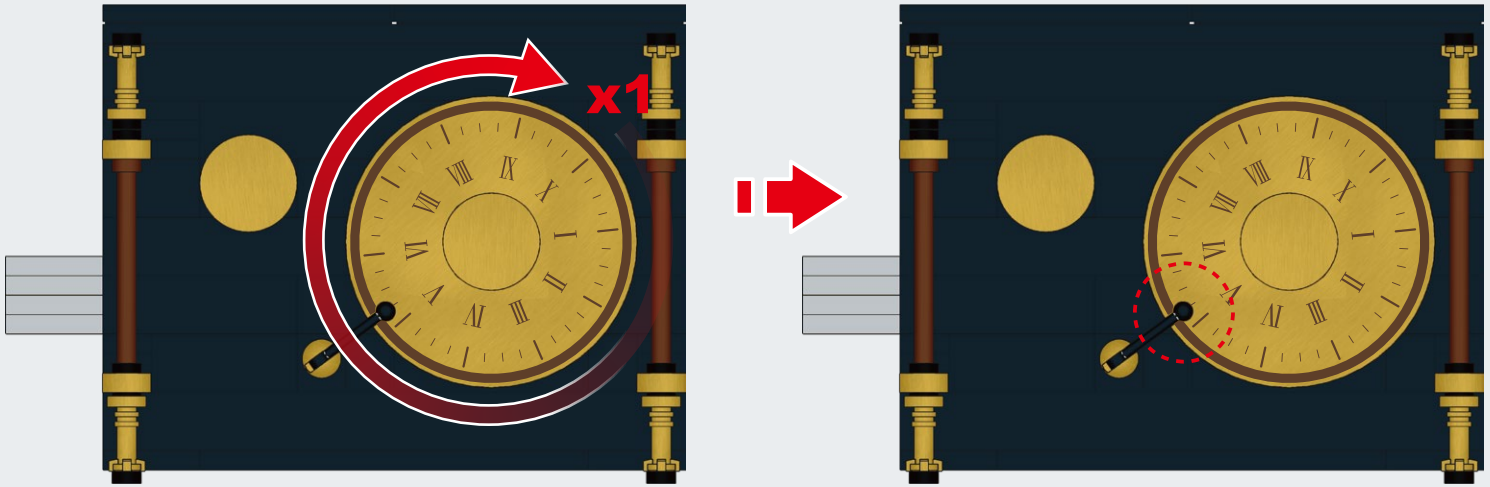

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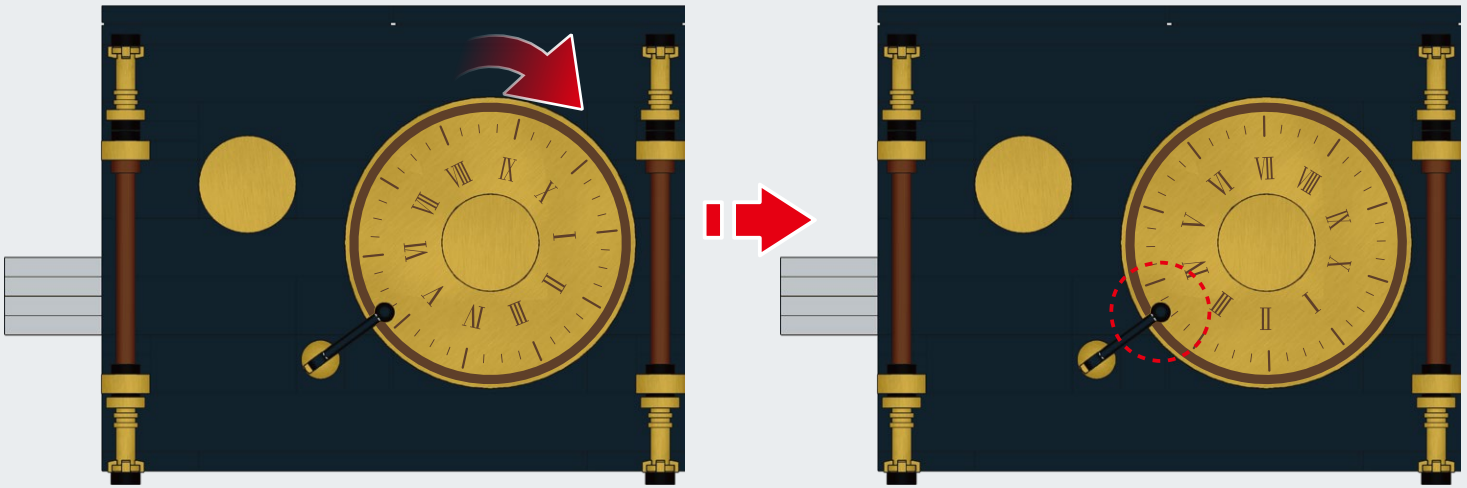

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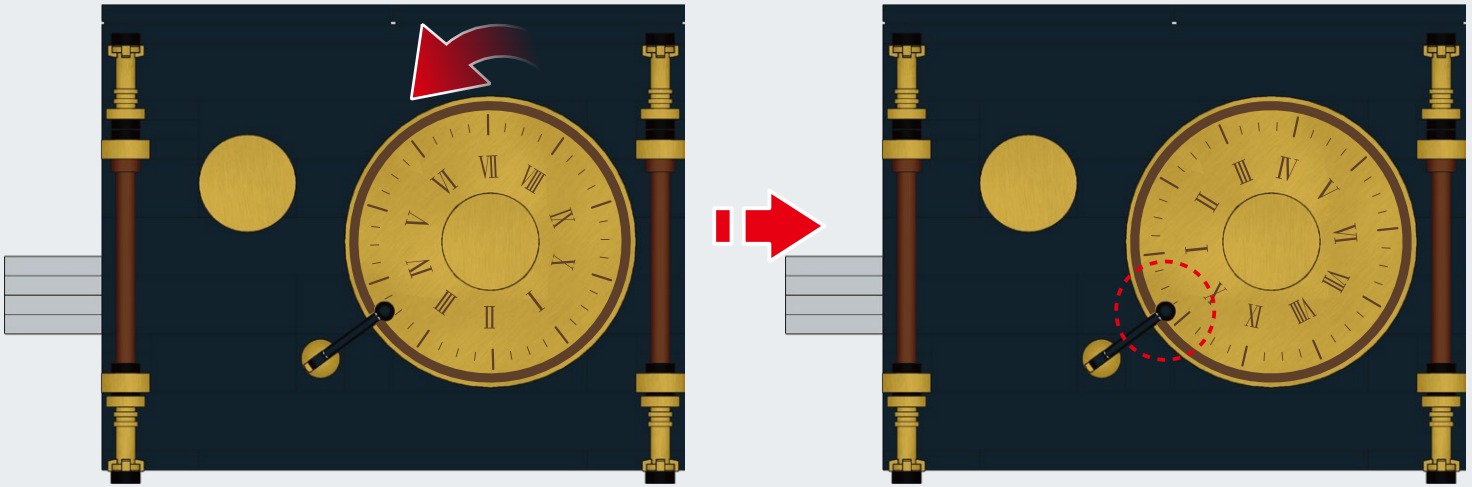

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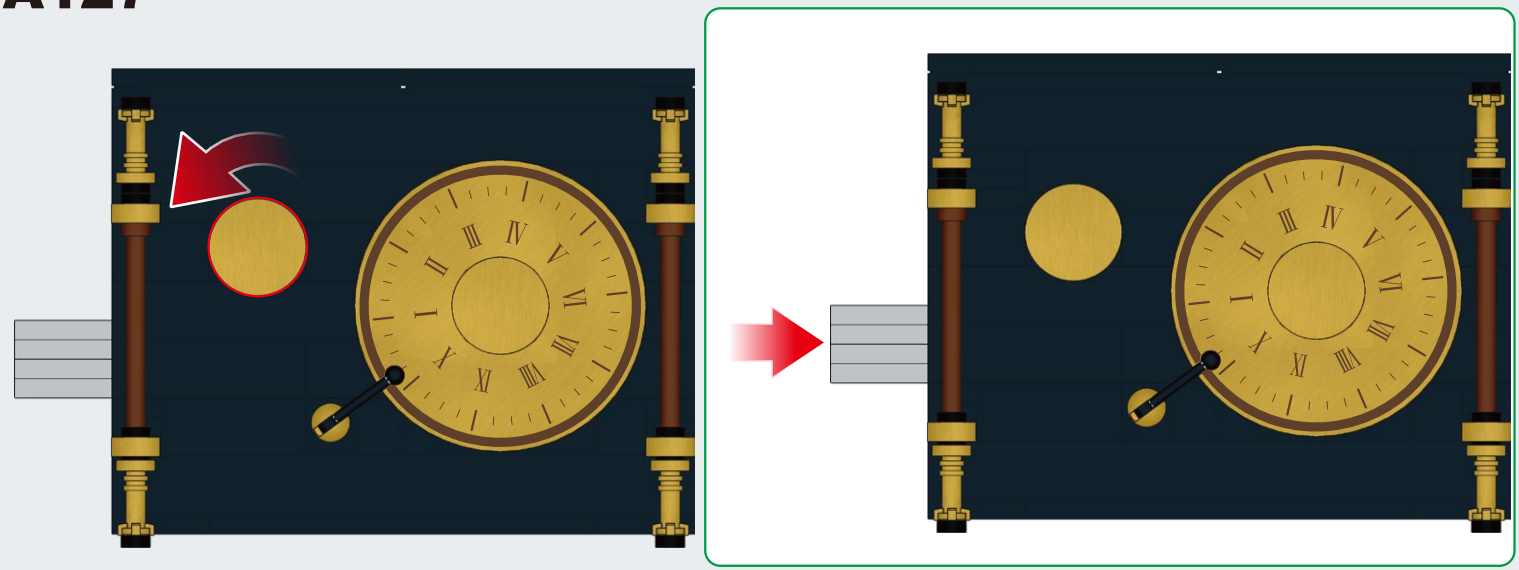

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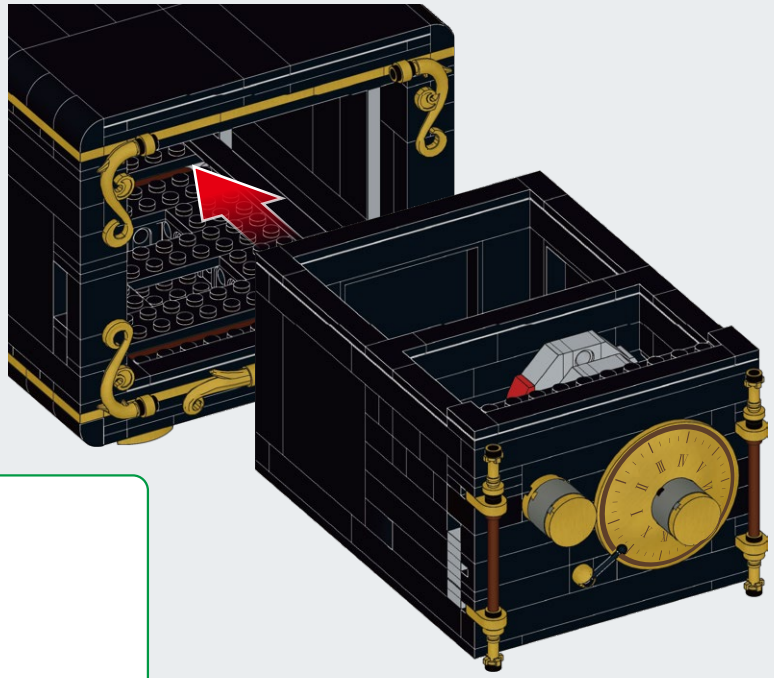

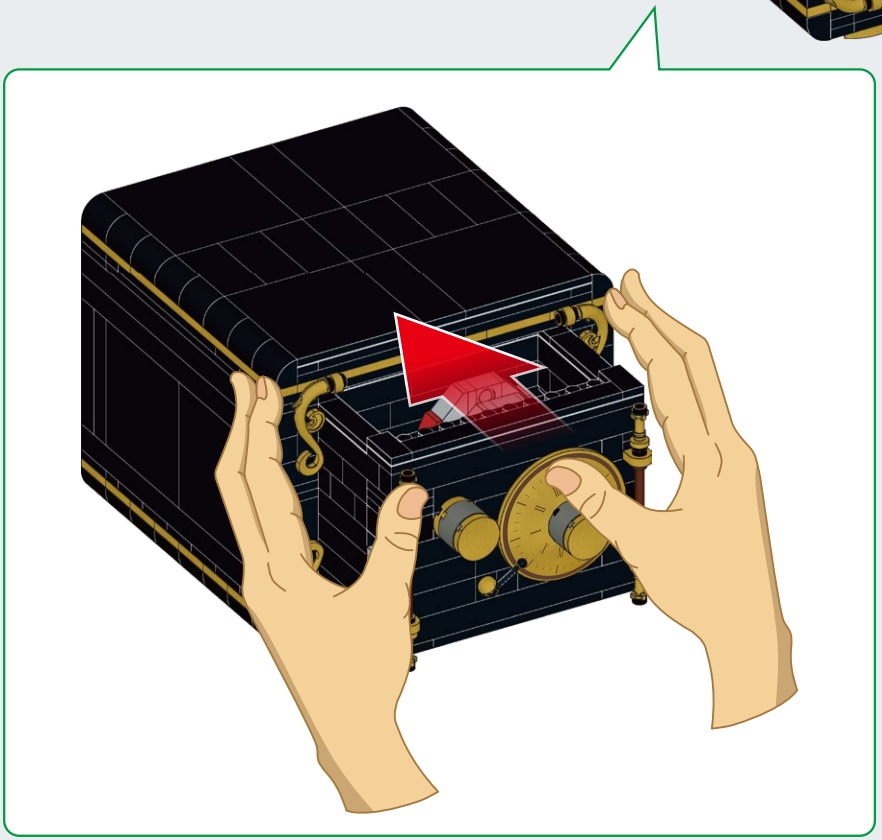

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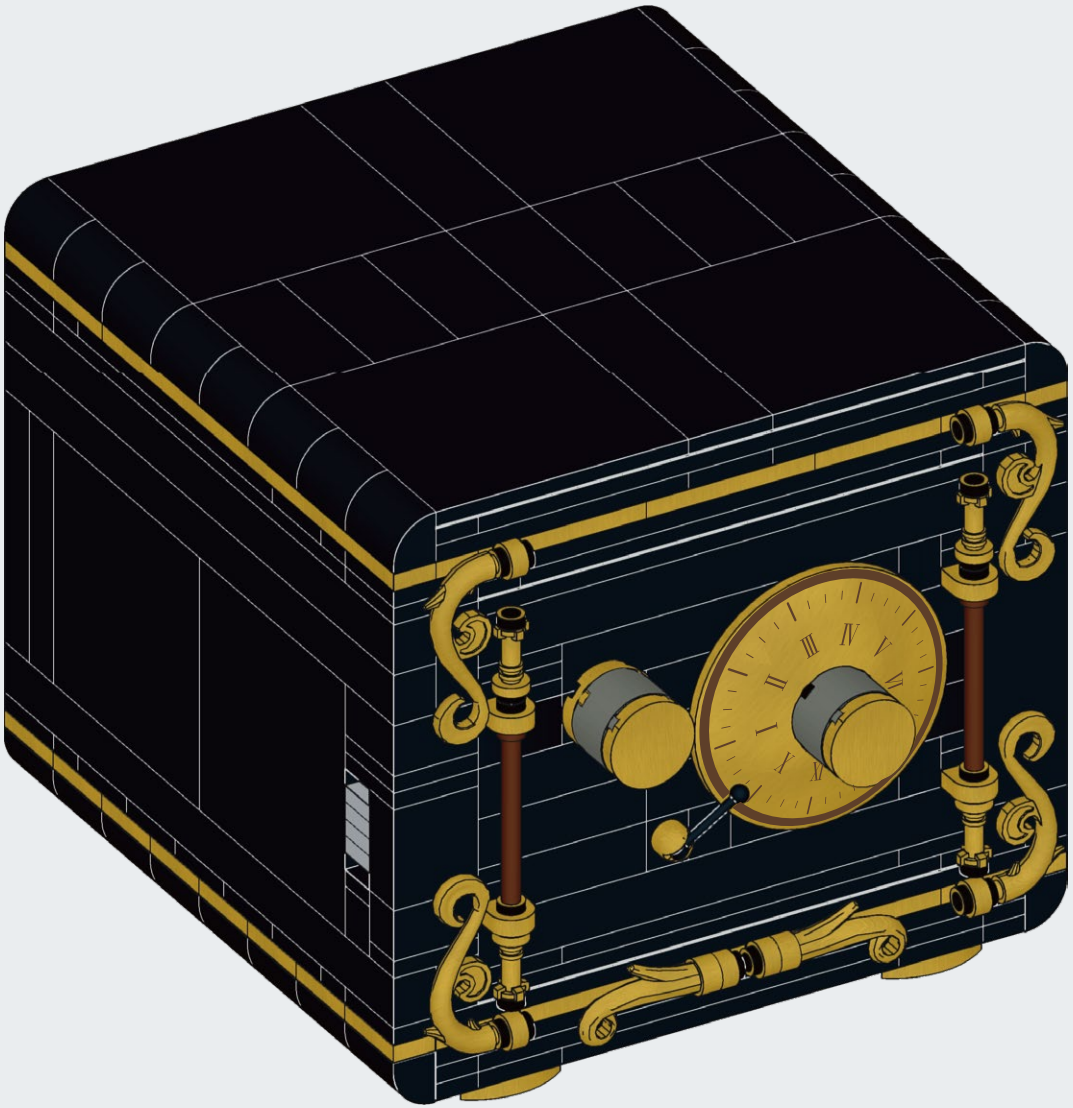

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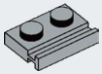
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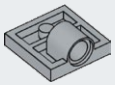
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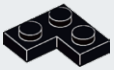
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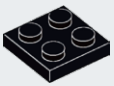
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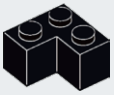
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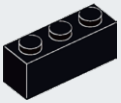
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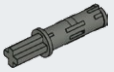
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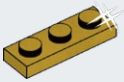
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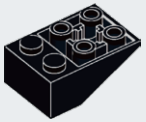
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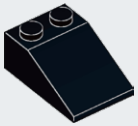
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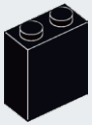
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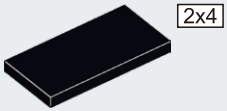

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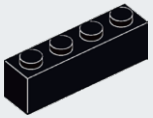
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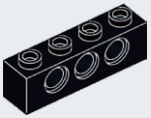
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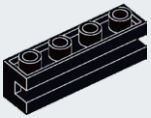
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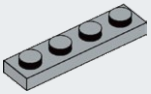
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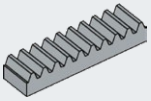
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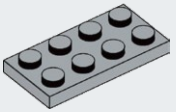
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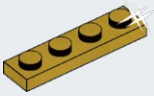
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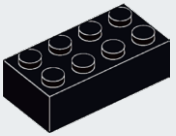
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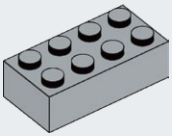

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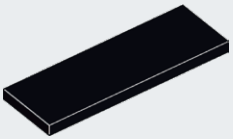

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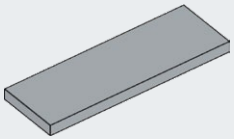

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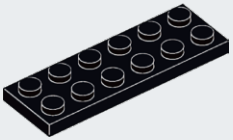

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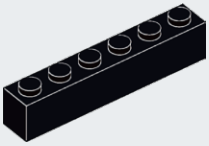

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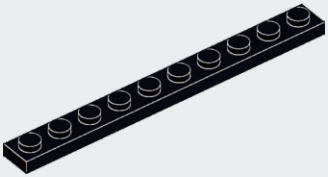

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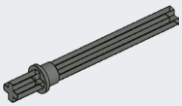

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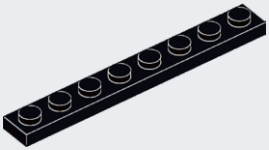

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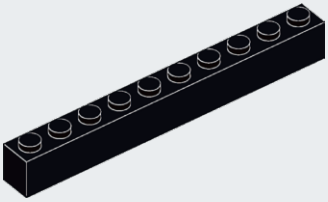

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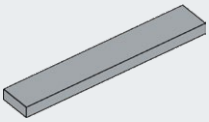

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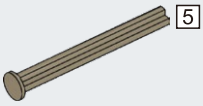

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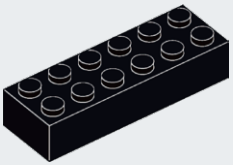

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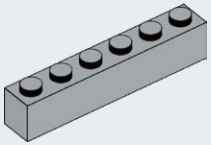

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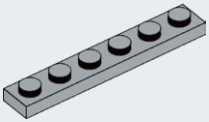

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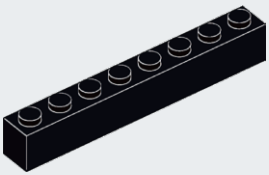

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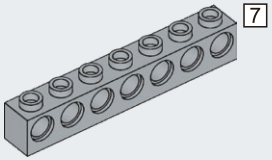

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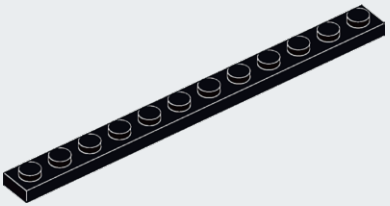

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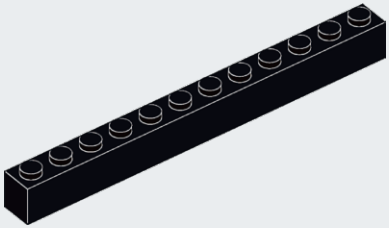

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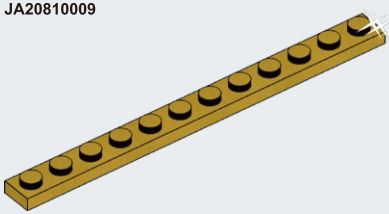

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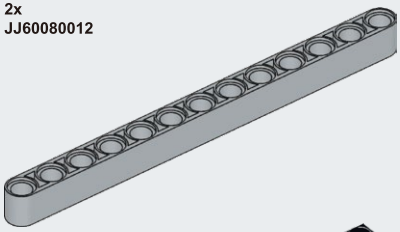

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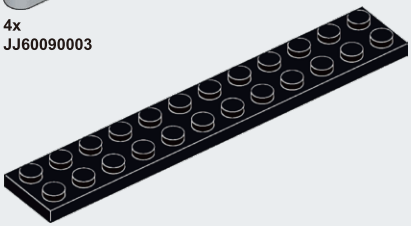

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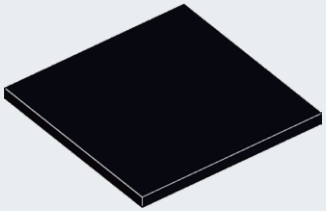

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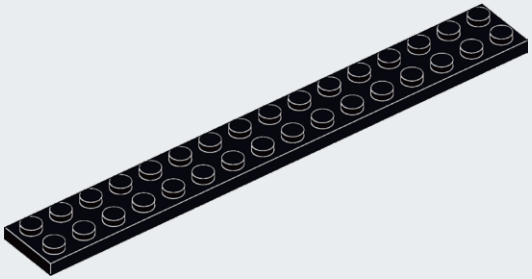

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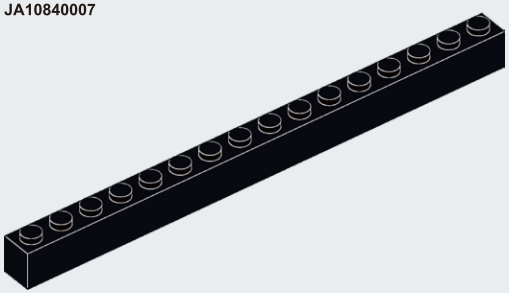

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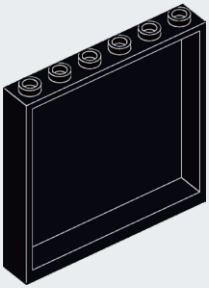

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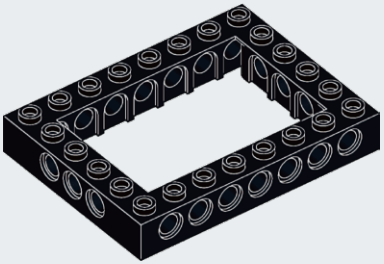

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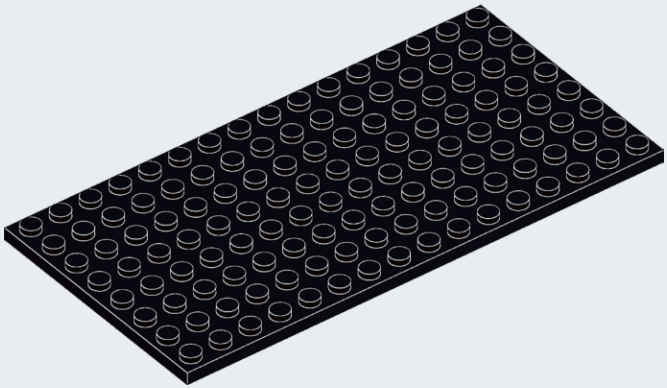

3x
JA10760008

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Designer: JK Brickworks